

19980107.qrp v00_n963.qrs.980107

Date: Wed, 7 Jan 1998 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 963

QRP-L Digest 963

Topics covered in this issue include:

- 1) [238] tuning diode drift (rule of eleven)
by rheiss@sprynet.com (Rob Heiss)
- 2) [239] Re: Help w/QRP Antenna Coil
by bruce muscolino <w6toy@pop.erols.com>
- 3) [240] Drift fixed...
by "Terry Bassett" <mutabut@net66.com>
- 4) [241] Re: Antenna pruning procedures?
by Dan Hogan <dhhogan@lightside.com>
- 5) [242] Re: portable receiver
by kv7g@juno.com
- 6) [243] Help Wanted in Pakistan
by George Dobbs <g3rjv@gqrp.demon.co.uk>
- 7) [244] Re: Drift fixed...
by "Ron Smith" <resmith@primenet.com>
- 8) [245] FYBO FAQ
by ki7mn@dancris.com
- 9) [246] Re: FYBO Winter QRP Field Day
by mwattcpa@earthlink.net (Marty Watt)
- 10) [247] Sprint results - or lack thereof ...
by Maurice Rice <rice4@greenville.infi.net>
- 11) [248] TiCK keyers
by Maurice Rice <rice4@greenville.infi.net>
- 12) [249] Data on 1N4004 as a tuning diode
by Rich Bachmann <bachmann@ari.net>
- 13) [250] Re: Drift fixed...
by K5BDZ <K5BDZ@aol.com>
- 14) [251] FOX SPOT
by "tom palmer" <n1tp@worldnet.att.net>
- 15) [252] Re: TiCK keyers
by "Ron Smith" <resmith@primenet.com>
- 16) [253] FOX Tuesday
by ki7mn@dancris.com
- 17) [254] "Pocket Elephant" at CompUSA--Turn back, it's a trick!
by "Frank Grigaliunas" <fgrig@iea.com>
- 18) [255] Re: FOX SPOT
by ki7mn@dancris.com
- 19) [256] Suggestions for presentation

by "V.C. Angell" <angell@northernnet.com>
20) [257] RE: Dying clubs
by Dan Dobson <ddobson@iei.net>
21) [258] Car Phone Info
by Dan Dobson <ddobson@iei.net>
22) [259] Fox alert
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
23) [260] Re: Suggestions for presentation
by "Ron Smith" <resmith@primenet.com>
24) [261] Re: FOX SPOT
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
25) [262] Interfacing HC CMOS with Higher Voltage 4000 CMOS
by astone@erols.com
26) [263] Re: FRIEDRICHSHAFEN 1998
by KE1HO <KE1HO@aol.com>
27) [264] No fox tonight
by "Timothy J. Pettibone" <tpettibo@nmsu.edu>
28) [265] Re: No fox tonight
by Monte Stark <ku7y@sage.dri.edu>
29) [266] Re: inactive clubs
by "Bob Kellogg" <ae4ic@nr.infi.net>
30) [267] Re: Component stress in ATU
by "Bob Kellogg" <ae4ic@nr.infi.net>
31) [268] Got'em by being there.
by Steve Galchutt <n0tu@webaccess.net>
32) [269] Re: FOX SPOT
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
33) [270] portable recievers
by the one and only <mitch96@pobox.com>
34) [271] ARCI QRP Quarterly
by Jerrydeen <Jerrydeen@aol.com>
35) [272] Re: Tnx for Antenna Coil Help
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
36) [273] Fox report 1-7-98
by "Dean Marzocca" <n2tnn@ifu.net>
37) [274] FOX - No Joy/Lots Heard
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
38) [275] (no subject)
by jbhenson@zebra.net (James Bartley Henson III)
39) [276] Re: N2TNN Fox
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
40) [277] Whoa, whatta FOX!
by Tim Ahrens <tahrens@inetport.com>
41) [278] Re: "Pocket Elephant" at CompUSA--Turn back, it's a trick!
by Brian Kassel <bkassel@dancris.com>
42) [279] Re: Got'em by being there.
by Joe Gervais <vole@primenet.com>
43) [280] Re: "Pocket Elephant" at CompUSA--Turn back, it's a trick!

by Ed Tanton <n4xy@bellsouth.net>
44) [281] Re: Interfacing HC CMOS with Higher Voltage 4000 CMOS
by ko7i@juno.com (Donald H Jones)
45) [282] unsubscribe qrp-l
by frank__west@ccmail.sfp.com
46) [283] Re: RF-1 'manual'
by Gardner / Maguire <bagardn@ibm.net>
47) [284] /QRP for WAS
by "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
48) [285] 80 meter transmitter
by n4dj@juno.com (Don Johnson)
49) [286] Re: Fox report 1-7-98
by jeverhar@camden.lmco.com
50) [287] N2TNN
by "Rattray, Bruce" <Rattray@siast.sk.ca>
51) [288] Sprint Multipliers
by David Ackrill <g0dja@zetnet.co.uk>
52) [289] Re: QRP-L digest 962
by David Ackrill <g0dja@zetnet.co.uk>
53) [290] Re: Mi. Test.....QQ.....N4BP, give him a break\!
by Zack Lau <zlau@arrl.org>
54) [291] FOX hunter behaviour and Contests
by adams@chuck.dallas.sgi.com (Chuck Adams)
55) [292] Re: FOX hunter behaviour and Contests
by Roger Hightower <n7kt@earthlink.net>
56) [293] no joy in Regina
by "Rattray, Bruce" <Rattray@siast.sk.ca>
57) [294] Re: FOX hunter behaviour and Contests
by Bob Hightower <ki7mn@dancris.com>
58) [295] Re: Dentron MLX-Mini qrp rig
by K5BDZ <K5BDZ@aol.com>
59) [296] FOX into NH
by N10DL <N10DL@aol.com>
60) [297] RE: Fox report 1-7-98
by n4js@pobox.com
61) [298] Re: Got'em by being there
by KB0VCC/1 <kb0vcc@rocketmail.com>
62) [299] Instant replay ... usefulness?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
63) [300] Re: No hear, no work
by "William F. Nicolson Jr" <n2wf@erols.com>
64) [301] N3JW.N3JW.N3JW
by kh6b@juno.com (Dean W Manley)
65) [302] Pixie xmtr
by jim <kw3u@warwick.net>
66) [303] Re: inactive clubs
by SKIP NC90 <SKIPNC90@aol.com>
67) [304] Frequency offset question

by Stanley Wilson <microres@crl.com>
68) [305] Fox: Caught with pants down trying to moon the fox.
by "Michael A. Gipe" <mgipe@reliablemeters.com>
69) [306] Re: Interfacing HC CMOS with Higher Voltage 4000 CMOS
by Steven Weber <kd1jv@moose.ncia.net>
70) [307] Thanks for ZM-2 Info!
by Andy Fox <foxes@theriver.com>
71) [308] RE: Frequency offset question
by "Caro, Carlos" <CCaro@ccs.lmco.com>
72) [309] Re: Frequency offset question
by "Paul R. Valko" <prvalko@oakland.edu>
73) [310] FOX: No Suit and Tie
by Ed Loranger <we6w@qsl.net>
74) [311] N2TNN fox comment.
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
75) [312] RE: ARCI QRP Quarterly
by n4js@pobox.com
76) [313] SSB Sprint
by camqrp@cyberg8t.com (Cam Hartford)
77) [314] fsk-rtty
by dave_epps@juno.com
78) [315] Re: SSB Sprint
by "David Maliniak" <dmaliniak@penton.com>
79) [316] Re: Frequency offset question
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
80) [317] Re: ARCI QRP Quarterly
by "Dave Rowe" <elim@ime.net>
81) [318] Still Need T-T #217 Filtre
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
82) [319] why 50 ohm coax??
by "William F. Nicolson Jr" <n2wf@erols.com>
83) [320] JH Bunnell Company
by adams@chuck.dallas.sgi.com (Chuck Adams)
84) [321] Re: why 50 ohm coax??
by Ed Loranger <we6w@qsl.net>
85) [322] Re: FOX hunter behaviour and Contests
by Paul Erickson <paul1@wizard.ucsfu.ca>
86) [323] Re: FYBO '98
by Joe Gervais <vole@primenet.com>
87) [324] Re: why 50 ohm coax??
by "David Maliniak" <dmaliniak@penton.com>
88) [325] Battery test device; Antenna idea.
by Ed Loranger <we6w@qsl.net>
89) [326] Another use CNP.....
by Walt Amos <wamos@ameritech.net>
90) [327] Apologies
by "David Maliniak" <dmaliniak@penton.com>
91) [328] Re: why 50 ohm coax??

by "Paul Christensen" <paulc@mediaone.net>

92) [329] Matching Sections
by adams@chuck.dallas.sgi.com (Chuck Adams)

93) [330] TiCK-2 Keyer
by John Fletcher <johnf@innotts.co.uk>

94) [331] 60 KHz WWVB Antenna article.
by Ed Loranger <we6w@qsl.net>

95) [332] n2tnn Foxed Me!
by WA4DAI <WA4DAI@aol.com>

96) [333] Re: why 50 ohm coax??
by "George T. Baker" <w5yr@swbell.net>

97) [334] Re: Hamcalc
by "George T. Baker" <w5yr@swbell.net>

98) [335] Re: why 50 ohm coax??
by "David Maliniak" <dmaliniak@penton.com>

99) [336] FS Morse Code Trainer
by Stephen Krosner <skrosner@mindspring.com>

100) [337] Re: Instant replay ... usefulness?
by DENNIS MO <DENNISMO@aol.com>

101) [338] Fox qrm
by "Stephen Sorrell" <ap036@detroit.freenet.org>

102) [339] qrp info
by MSU1972 <MSU1972@aol.com>

103) [340] Zero Beating Schemes
by "George T. Baker" <w5yr@swbell.net>

104) [341] WTS: Sine wave inverters 48VDC to 120VAC 4KVA surplus
by "Bob Duckworth" <wb4mnf@atl.org>

105) [342] Re: ARCI QRP Quarterly
by wp4jxd@prtc.net (wp4jxd)

106) [343] GPS receivers for under \$100.00 {US}
by wa5whn@juno.com

107) [344] Latest solar stuff & QQ &c
by nilsbull@juno.com

108) [345] Re: GPS receivers for under \$100.00 {US}
by Ed Loranger <we6w@qsl.net>

109) [346] Re: Instant replay ... usefulness?
by "Phil, K6LS" <k6ls@prolynx.com>

110) [347] Expiration Dates
by adams@chuck.dallas.sgi.com (Chuck Adams)

111) [348] FDIIM 98???

by "Bernard F. Gaffney, Jr." <n8pvz@concentric.net>

112) [349] QSL Buro
by adams@chuck.dallas.sgi.com (Chuck Adams)

113) [350] Re: GPS receivers for under \$100.00 {US}
by Paul Harden <pharden@aoc.nrao.edu>

114) [351] Re: GPS receivers for under \$100.00 {US}
by "Michael A. Gipe" <mgipe@reliablemeters.com>

115) [352] Re: ARCI QRP Quarterly

by Monte Stark <ku7y@sage.dri.edu>
116) [353] Re: GPS receivers for under \$100.00 {US}
by kc5los@juno.com (Jesse T Royall)
117) [354] Re: Fox report 1-7-98
by "Dean Marzocca" <n2tnn@ifu.net>

Date: Tue, 6 Jan 1998 16:01:09 -0800
From: rheiss@sprynet.com (Rob Heiss)
To: qrp-1@Lehigh.EDU
Subject: [238] tuning diode drift (rule of eleven)
Message-ID: <199801070001.QAA11983@m5.sprynet.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I would like to share my rule of thumb for estimating oscillator drift
(during a ragchew or net) due to a tuning diode:

$11 \times FR / VR$ Hertz

FR is tuning frequency range in kHz
VR is tuning voltage range in Volts

That is an average over the entire tuning range. For a spot frequency:

$F_{11} - F$ Hertz

F is the spot frequency in Hertz
 F_{11} is the frequency with 11 millivolts more tuning voltage

These "rule of eleven" estimates should work for any silicon diode
(varicap, rectifier, or zener) in both LC and crystal oscillators.

Assumptions:

1. Initial turn-on drift is ignored; test after warmup.
2. Ambient temperature could change 5 degrees C (or 9 deg. F) during a ragchew or net; including heat from the transmitter.
3. Oscillator would be drift-free without the diode.
4. Stable regulated tuning voltage at both ends of the control.
5. The tuning voltage passes through only resistors or chokes.
6. Diode internal voltage drifts 2.2 mV per Celsius, a physical property of silicon.

Some engineers even use diodes as thermometers, because their drift is predictable. Hope you find this useful.

73, Rob K06KA rheiss@sprynet.com

Date: Tue, 6 Jan 1998 19:06:23 -0500 (EST)
From: bruce muscolino <w6toy@pop.erols.com>
To: 70511.3041@compuserve.com
Cc: QRP-L@Lehigh.EDU
Subject: [239] Re: Help w/QRP Antenna Coil
Message-ID: <2.2.16.19980106195744.219f303e@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Doc,

For a device taht is tuned with a pair of sidecutters, antennas are cloaked in more mystery than they deserve! Use whatever diameter pill bottle you can cadge from your local CVS pharmacy. Use whatever size wire you can find that's close (within reason). Wind what you can on the form and test the antenna with a grid dipper or antenna analyzer -- prune for resonance!

73

Date: Tue, 6 Jan 1998 18:14:38 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [240] Drift fixed...
Message-ID: <01bd1b01\$3e287d00\$cc5e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang...

It turns out that the clear finger nail polish that I grabbed from the XYL was in fact one bottle of a two-part clear finish, with presumably the other part containing the hardening agent. So, the drift in my OHR 100a, was because the clear liquid I applied never hardened... I made a mad dash to the store and got some actual clear finger nail polish and suspect that

the drift problem will be cleared up by the time I get back to the shack after writing this.

I wanted to own up to my mistake in this matter publicly, because I do not wish for Dick at OHR to have his company name besmirched when the problem had everything to do with my actions and nothing to do with the quality of his kit components or instructions.

73,

Terry, KA9TXE Qrp-l #977

Date: Tue, 06 Jan 1998 12:07:32 -0800
From: Dan Hogan <dhhogan@lightside.com>
To: qrp-l@Lehigh.EDU
Subject: [241] Re: Antenna pruning procedures?
Message-ID: <3.0.5.32.19980106120732.007c7a00@mail.lightside.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Daniel:

It seems like we both are "blessed" with similer sites. I have tried several combinations of wire antennas. I was after a multiband. The best was/is an off center fed(OCF) with one leg cut to 1/4 wavelength of the lowest frequency(40M) that gives me something longer on the other leg. It is fed with 450 ohm window line. Total length is 78.2 ft. Since I have a ZM-1 I use that to tune the system. 40m is 4.1:1, 20m is 4.7:1, 10m is 5.6:1. The worst is 30m 11.7:1, 17m 6.1:1, 15m 9.2:1, 12m 6.99:1. All of them tune to !;; with the ZM-1 matcher. Tried co-ax couldn't get a decent SWR that would work.

Dan Hogan WA6PBY
ARRL-VE, QRP-L #558, 8-QRP Clubs
(1)dhhogan@lightside.com
(2)dhhogan@concentric.net

Date: Tue, 6 Jan 1998 17:21:30 -0700
From: kv7g@juno.com
To: g3ycc@gqrpclub.demon.co.uk
Cc: qrp-l@Lehigh.EDU

Subject: [242] Re: portable receiver
Message-ID: <19980106.172131.18806.1.kv7g@juno.com>

Page 74 of the 1998 Radio Shack Catalog

DX-392 20-219 Digital with built in tape recorder and timer
AM, FM, LW, CW, SSB 45 pre-sets, scan, rotary and keyboard tuning
150kc-29.999Mhz
Not Cheap at \$259.99
There was an "800" phone number floating around for a place that
Wholesales R/S stuff but I have lost track of it.

Bud - KV7G

On Tue, 6 Jan 1998 18:48:26 +0000 Frank G3YCC
<g3ycc@gqrpclub.demon.co.uk> writes:
>In message <34B202BC.1852@ibm.net>, mikemo@ibm.net writes
>>Does anyone have any recommendations for a portable receiver that
>covers
>>the ham bands and can detect cw and ssb (BF0?).
>>
>>Went to radio shack and it appears that the units they had were am/fm
>>only. I want something to take on the road with me.
>>
>>Thanks and 72
>>de kf4trd
>>Mike Maiorana
>>
>I bought a small Sony recently think it is called the 100s and fine
>for
>AM band, LW, BC FM and SW with CW and SSB. Breast pocket size too.
>Cheers.
>
>--
>Frank G3YCC GQRP 042
>QRP Web Page: <http://www.gqrpclub.demon.co.uk>
>Packet: G3YCC@GB7HUL
>
>

Date: Tue, 6 Jan 1998 23:43:49 -0000
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [243] Help Wanted in Pakistan
Message-ID: <01bd1afc\$efff2b00\$LocalHost@kcubkvq1>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good Evening, Everyone,

I have been in correspondence for some time with Arshad Quadri of the Larkana Amateur Radio Society in the Sindh region of Pakistan.

It is a very resourceful group with very limited facilities. We supplied them with some 80m Epiphyte QRP Transceivers and I gave them my Cascade Transceiver.

They would like to attempt data transmission but have no equipment. I can only assume they mean on the HF Bands.
Does anyone out there have any such equipment that they have tired of, or is laying unused in the shack?

If so, you could help them. The contact address is :
Larkana Amateur Radio Society
Arshad H. Quadri AP2AHQ
1989/A.1 ShaiIkh Street
Karma Bagh
Larkana
Sindh
77150
Pakistan

Many thanks for the bandwidth.....

George Dobbs G3RJV	"It is vain to do with more
g3rjv@gqrp.demon.co.uk	what can be done with less"
The G QRP Club	William of Occum. 1290-1350

Date: Tue, 6 Jan 1998 17:47:38 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <mutabut@net66.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [244] Re: Drift fixed...
Message-ID: <022d01bd1b06\$4dfb23e0\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Terry,

I haven't started construction on my OHR100A yet, so I've been watching your comments and experiences closely. Did the clear polish work? What would have happened had you not put anything on the coils?

Thanks es 72

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Tue, 6 Jan 1998 18:40:55 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-l@Lehigh.EDU
Subject: [245] FYBO FAQ
Message-ID: <199801070140.SAA17282@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Joe AB7TT has posted the FYBO FAQ to the list, but if you missed it, it's on my page. No button, just on the main page, big as life. URL in sig line.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Wed, 07 Jan 1998 01:46:43 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [246] Re: FYBO Winter QRP Field Day
Message-ID: <34b2db3c.40380611@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

On Tue, 6 Jan 1998 07:01:43 -0700 (MST), Joe Gervais <vole@primenet.com> wrote:

```
>(copy sent to QRP-L)
>
>Howdy again Randy,
>
>Randy (KS4L) wrote:
>>
>> Joe, I do have another question regarding multi-op. I have a buddy
>> (non-ham) who is interested in coming along to help do my logging. =
Does
>> that make me multi-op? Is that legal/fair?
>
>A non-ham? Naw, we'll just count that as QRP
>Promotion on your part. :-) And yes, very fair.
>Besides, figure a non-ham doing your logging is
>clearly more of a benefit to him/her than to you. :)
>Sure hope you get them hooked!
```

Depending on how well they copy CW/write/etc., there should be a = multiplier!

--

72 es 73 de Marty, KM7W

=46ranklin, Tennessee <http://home.earthlink.net/~mwattcpa> =
=20
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

Date: Tue, 06 Jan 1998 20:43:53 -0800
From: Maurice Rice <rice4@greenville.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [247] Sprint results - or lack thereof ...
Message-ID: <34B30809.27DE@greenville.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ditto in SC -- finally fired up the omni-d just to work *somebody*!

Worked:

AA7TJ, George in Boise ID - gone after a round or two
KK5FX, Regina in Okla City - ditto
WA9JTU/5, Ken in Houston - great rag-chew.

no SP points and super-tubby - will do better next month!

72 y'all

Maurice Rice KA4NIV
QRP-L:#1158 ARS:#179

Date: Tue, 06 Jan 1998 20:38:56 -0800
From: Maurice Rice <rice4@greenville.infi.net>
To: qrp-l@Lehigh.EDU
Subject: [248] TiCK keyers
Message-ID: <34B306E0.31C0@greenville.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Today I ran across a copy of QST that features the TiCK2, and did not write down the info on how to contact -- anyone have that?

Would especially like the snail-mail address so I can send them an order w/check, but another method will do as well.

Thanks ...

Maurice Rice KA4NIV
QRP-L:#1158 ARS:#179

Date: Tue, 6 Jan 1998 20:53:02 -0500
From: Rich Bachmann <bachmann@ari.net>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Cc: "'astone@erols.com'" <astone@erols.com>, "'bachmann@ari.net'" <bachmann@ari.net>
Subject: [249] Data on 1N4004 as a tuning diode
Message-ID: <01BD1AE5.16CA1FA0@ppp_bach.ari.net>

Here is some data taken last year on the 38 special project for the Dayton NorCal Building Contest. I have wondered if 1N4004s can be sorted for tuning range by some simple test....like checking the forward drop on the diode checker in your DVM. If the variance I saw in the forward drop is related to the depletion region width in the diode, maybe there is some correlation with the capacitance range.

Data was taken from the 1N4004 tuning circuit in a functional radio for the purpose of trying to linearize the tuning range. No RIT mod in this.

There was sufficient variance from one diode to another that you might want to cherry pick the diode from a dozen or more. The linearization was abandoned when KM3V (Chuck) suggested that bandsread tuning might be possible with a ganged pot arrangement. That is what I used in my building contest entry. The last digit in the frequency data can be rounded, the frequency was drifting slightly. Notice the lack of voltage response at the bottom end.

Index of turns Counter on Tuning pot	Voltage tuning pot wiper	Transmit frequency of NC 38 S
0	0.001	10.104617
5	0.002	10.104620
10	0.003	10.104623
15	0.004	10.104623
20	0.005	10.104624
25	0.210	10.106822
30	0.800	10.113447
35	1.531	10.117769
40	2.343	10.120297
45	3.079	10.121854
50	3.874	10.123158
55	4.651	10.124178
60	5.343	10.124946
65	6.076	10.125656
70	6.838	10.126299
75	7.685	10.126930
80	8.084	10.127201
85	8.127	10.127289

The test setup was sort of crude but it was sufficient to work on the non-linearity issue. A turns counter for a ten turn pot mounted on a normal mouser 100k linear pot for the tuning index. It was in a fully functional 38 Special. Readings taken every 5 index marks on the turns counter where an index of 100 is 360 degrees (the pot only turned ~270 degrees). The voltage on the wiper of the pot was read with a B&K 391 41/2 digit DVM.

The frequency was read on an Optoelectronics 3000a counter (TCX0 option.)

The counter was hooked to the vertical amplifier output on the back of a Tektronix 465b and the 10x scope probe was on the center pin going to the dummy load. I got a little carried away on the number of digits that I wrote down.

73, Rich, N3SLR
bachmann@ari.net

Date: Tue, 6 Jan 1998 21:23:17 EST
From: K5BDZ <K5BDZ@aol.com>
To: mutabut@net66.com, qrp-1@Lehigh.EDU
Subject: [250] Re: Drift fixed...
Message-ID: <7de3ab00.34b2e716@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Terry
Good for you !!!!! Your post has taught many others while you learned.
TYhanks for your honesty!

I have used clear finger nail polish on my toroids for years and had great luck, and NEVER a problem. Easy to apply. Easy to break loose (after drying) and change winding position or add/remove windings. Holds fast tp PC board when dry in event of jostling or other shocks. Hope many others will continue this simple method. One note: the clear polish is cheap, so don't steal your wife's...go out and buy TWO (2) bottles, one for you and the other one for your wife. She'll think you're great for being so thoughtful, and will be less likely to come steal your bottle later!
Bill, K5BDZ

Date: Tue, 6 Jan 1998 09:32:43 -0500
From: "tom palmer" <n1tp@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [251] FOX SPOT
Message-ID: <19980107023218.AAA5759@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

N2TNN ON 7.037 WITH GOOD SIG. 72, N1TP, TOM, FL.

Date: Tue, 6 Jan 1998 19:33:03 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <rice4@greenville.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [252] Re: TiCK keyers
Message-ID: <02ef01bd1b14\$9f352cc0\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here you got Maurice, specs on the TiCK-2B, ordering info, the works...

<http://www.frontiernet.net/~embres/>

72

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

-----Original Message-----

From: Maurice Rice <rice4@greenville.infi.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, January 06, 1998 6:56 PM
Subject: TiCK keyers

>Today I ran across a copy of QST that features the TiCK2, and did not
>write down the info on how to contact -- anyone have that?
>
>Would especially like the snail-mail address so I can send them an order
>w/check, but another method will do as well.
>
>Thanks ...
>
>Maurice Rice KA4NIV
>QRP-L:#1158 ARS:#179

>
>
>
>

Date: Tue, 6 Jan 1998 19:37:52 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-l@Lehigh.EDU
Subject: [253] FOX Tuesday
Message-ID: <199801070237.TAA21901@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow, what a mess. RTTY and a bunch of folks sending their call over and over and over, without listening. I don't know how the FOX is going to get through to anyone tonight.

We need a little restraint, folks....one shot at a time is plenty.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Tue, 6 Jan 1998 18:56:40 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <Customer_service@compusa.com>
Subject: [254] "Pocket Elephant" at CompUSA--Turn back, it's a trick!
Message-ID: <199801070256.SAA26224@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Somebody mentioned the other day that CompUSA was offering a the Aurora VR200 "Pocket Elephant" digital voice recorder essentially for free.

Here in Spokane, the offer appears to be nothing but a ploy to lure suckers into the store. My wife and I both wanted one, but the local employees told us they had no recorders, they expected no recorders, and if we didn't like it, too bad for us.

The Pocket Elephant might be a nice tool for QRPers, but you might want to try Egghead or somewhere rather than wasting your time at CompUSA.

-Frank, KC7YYR

Frank Grigaliunas, W. 1816 Dean, Spokane, WA 99201
fgrig@iea.com -==*- (509) 326-7147 -==*- <http://www.iea.com/~fgrig/>
"The Internet doesn't annoy people. People annoy people"

Date: Tue, 6 Jan 1998 19:56:37 -0700 (MST)
From: ki7mn@dancris.com
To: n1tp@worldnet.att.net
Cc: qrp-l@Lehigh.EDU
Subject: [255] Re: FOX SPOT
Message-ID: <199801070256.TAA23372@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:32 AM 1/6/98 -0500, you wrote:

>N2TNN ON 7.037 WITH GOOD SIG. 72, N1TP, TOM, FL.

>

>

Had him there for awhile, now have very strong digital QRM. Can't find him or the pack anywhere else. Too bad.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

<http://www.dancris.com/~ki7mn>

Date: Tue, 6 Jan 1998 21:00:28 -0500
From: "V.C. Angell" <angell@northernnet.com>
To: qrp-l@Lehigh.EDU
Subject: [256] Suggestions for presentation
Message-ID: <103120600b0d88f796d53@[206.24.45.155]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been asked to put together a presentation for the ham club I belong to on QRP. Does anyone have suggestions on a very simple kit(s) I could buy and display? Most of the club members now have no code licenses, so I would like something very simple that they believe they could make and "talk to the world." If I could get some of them interested by listening on

something they built, it might spark them into learning code. Most of them have opened or seen an HT opened and how complex it looks -- they find it hard to believe what I do with a very simple rig. Any overall suggestions for the presentation would be appreciated too. I get this list as a digest so it might take a longer than you expect for me to reply. Thanks.

72.

"VC" KC0EM

V.C. Angell

<http://www.jewelry-magick.com>

Date: Tue, 6 Jan 1998 22:04:31 -0500
From: Dan Dobson <ddobson@iei.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [257] RE: Dying clubs
Message-ID: <01BD1AEF.26BA6E60@dip21.nas1.iei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi Ron,

Had to comment and add my two cents.

Acouple of years ago we had the same problem in my National Guard unit. =
We would have potential recruits come by and spend a few hours with us. =
Needless to say, we had to really push at times to get people to warm up =
to the "newbies". We now have a strong sponsorship program in place that =
encourages everyone to introduce themselves and basically make that =
person feel at home and glad that they came! Isn't that what we all =
want? I always try to take the extra step to talk to the new guy or gal, =
especially if its someone who I have talked with on the air but never =
met in person.=20

Regarding the breakfasts, always try and get the tables pushed together, =
etc, so no one feels left out or not at the "main table" if at all =
possible. Encourage an informal show and tell. Not everyone is a rocket =
scientist, so keep it simple and appeal to a broad audience....and try =
and have fun!

Dan KG9KF

From: Ron Smith[SMTP:resmith@primenet.com]
Sent: Tuesday, January 06, 1998 2:11 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Dying clubs

Hi Bob and the group,

>No one said anything to me, so I decided to see how long it would take =
for
>someone to acknowledge the "newcomer". It took 10 minutes. Sitting =
at a
>table with guys across from me and beside me!

It it truly unfortunate when this happens, however, it isn't just our =
clubs
where this is happening. I've seen it in churches, fraternal =
organizations,
new jobs, name it, even in the military.

Yes, sad state of affairs.

72 to all

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

Date: Tue, 6 Jan 1998 22:15:54 -0500
From: Dan Dobson <ddobson@iei.net>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [258] Car Phone Info
Message-ID: <01BD1AF0.B013C200@dip28.nas2.iei.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Hi group,

I know this is "off list" but here's my question.=20

I'm looking for a simple schematic to step down the 12volts from my car = battery to power my 6 volt car phone. I know for \$30 greenbacks I can by = one from Radio Shack, but being part Scotsman is keeping me from simply = buying one.

Any ideas? PS- I've built a few kits, etc, so I'm familiar with a = "sodder iron".

Dan KG9KF

Date: Tue, 6 Jan 1998 22:16:53 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n2tnn@ifu.net" <n2tnn@ifu.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [259] Fox alert
Message-ID: <199801062220_MC2-2E4C-EB00@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dean:

Well it was quite a scrap at my QTH with horrendous QRM/QRN. But *many* thanks for digging me out, guy! I heard you faintly at the beginning and could have worked you. But shortly after the QSY you came up from 229 or so to 559 and even 55.5/9 <VBG>. As always it was a thrill to be snag a pelt.

Setup here was the Yaesu 900CAT at 3 watts to the TNT/2 Windom, which was recently raised from 27' to 30'.

BTW, several guys have asked me about the GAP. Well it is a wonderful antenna but is often too long for Stateside--as it definitely was tonite. I am constantly comparing antennas throughout the FOX hunts. Six out of 7 times the TNT/2 has won out. But for DX....now that's *another* story :-).

Anyway, thanks again and I hope you had a terrific evening. Sounded like you were busy. Will be interested in seeing your log.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 1/7/98 = 22. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 6 Jan 1998 20:19:21 -0700
From: "Ron Smith" <resmith@primenet.com>
To: <angell@northernnet.com>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Subject: [260] Re: Suggestions for presentation
Message-ID: <037201bd1b1b\$cc4ff120\$2e22a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi "VC",

Simple, low cost, hummmm... The Pixie II 40 Meter kit from HSC. \$9.95 plus shipping and crystal. Unfortunately, HSC only has two crystals, one for 3.579 (80 Meters) Color Burst Frequency and 7.040 for the General/Advanced/Extra QRP frequency. As I understand it, if you built the Pixie II Kit, added a 7.110 MHz (Dan's Small Parts and Kits has them for \$6.00 each), plus say \$10 for accessories, and you have a 200 mW easy to build CW Transceiver.

Hope that helps...

72

Ron Smith

Amateur Radio Callsign: KD7VD
Southwest Idaho
E-mail: resmith@primenet.com
QRP-L #1291

-----Original Message-----

From: V.C. Angell <angell@northernnet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, January 06, 1998 8:05 PM
Subject: Suggestions for presentation

>I have been asked to put together a presentation for the ham club I belong
>to on QRP. Does anyone have suggestions on a very simple kit(s) I could buy
>and display? Most of the club members now have no code licenses, so I would
>like something very simple that they believe they could make and "talk to
>the world." If I could get some of them interested by listening on
>something they built, it might spark them into learning code. Most of them
>have opened or seen an HT opened and how complex it looks -- they find it
>hard to believe what I do with a very simple rig. Any overall suggestions
>for the presentation would be appreciated too. I get this list as a digest
>so it might take a longer than you expect for me to reply. Thanks.

>72.

>"VC" KC0EM

>

>V.C. Angell

><http://www.jewelry-magick.com>

>

>

>

>

>

>

Date: Tue, 6 Jan 1998 22:27:22 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ki7mn@dancris.com" <ki7mn@dancris.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [261] Re: FOX SPOT
Message-ID: <199801062229_MC2-2E52-E5CB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob:

He QSYed to 7039 and I got him about 0300Z. He has just called CQ, can

you believe. Hope you see this note. Go get him, guy :-).

You are right...it was a jungle of QRN/QRM in there at his starting frequency. Could hear him 229 or less until the QSY....then suddenly he jumped to 559+. Wow! Never cease to be amazed when this happens. Used to figure it was my gear. But now have experienced this on four different rigs. Hmmm...

Anyway, hope you can snag him!! Good luck for success.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 22. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 06 Jan 1998 22:36:00 -0800
From: astone@erols.com
To: qrp-1@Lehigh.EDU
Subject: [262] Interfacing HC CMOS with Higher Voltage 4000 CMOS
Message-ID: <34B32250.1668@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Horowitz and Hill (Art of Electronics) suggest using a simple pull up resistor or a level translator chip to accomplish this. In the case of the pull up, they indicate that the smaller the value of the resistor the faster it will be but with increased power consumption. My question is, what works well here and what frequency limitations can be expected? I'll be running at about 3 MHz max into the clock input of a 4026BE which can handle at least about 6 MHz. Thanks for your help.

72,

Ron (KA3J)
Bethesda, MD

Date: Tue, 6 Jan 1998 22:40:44 EST
From: KE1HO <KE1HO@aol.com>
To: g3rjv@gqrp.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [263] Re: FRIEDRICHSHAFEN 1998
Message-ID: <9871d644.34b2f93f@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,

Just wanted to put in my two cents.
I lived in Germany for six year.
If you have the chance, GO to Friedrichshafen you will have the BEST time.
It is a great town and the area is the best.
I'd go back tomorrow... as a matter of fact I'll be in Stuttgart next week!!!!
Cant wait.
:)
Steve/KE1HO

Date: Tue, 06 Jan 1998 20:48:53 -0700
From: "Timothy J. Pettibone" <tpettibo@nmsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [264] No fox tonight
Message-ID: <3.0.3.32.19980106204853.0069330c@dante.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Heard Dean for about 45minutes earlier. Even heard when he qsyed up to 7039. Not a peep now for about and hour. Don't even hear the hoards that earlier called him (some of which that seemed to call 5, 6 and even 7 times, many of which were on top of the exchange - when will we learn?) There's always tomorrow night, and next week, and the week after. How'd I ever get myself in this? In the words of William Bendix..."What a revoltin' development this is!" But what fun!!

Tim K5OI

Date: Tue, 6 Jan 1998 19:59:27 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: "Timothy J. Pettibone" <tpettibo@nmsu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [265] Re: No fox tonight
Message-ID: <Pine.SUN.3.90.980106195429.16788C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tim,

Yep, the foxing was ruff tonight! He was about 229 here on peaks!! I tried calling a few times but there were too many times that I just couldn't hear he respond to anyone. Then I'd hear the other side of the exchange!

So I just went in and had dinner. When the sig is that weak and there are so many strong stations calling, the only thing I could do was to make more qrm and call on top of the exchanges.

Came back a little after 0300z and found the fox again. This time I heard him call CQ and didn't hear any takers. Let fly a shot and wound up with another pelt!

Sometimes you loose out by doing that because the band doesn't change in your favor but more often you wind up winning because not only do you get a good shot at the fox but you spare the others all your QRM!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 6 Jan 1998 22:37:32 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [266] Re: inactive clubs
Message-ID: <199801070408.XAA15205@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Sorry about telling the same story twice. ("waiting 10 minutes") It was one of those cases where I wrote a hasty note, then decided not to mail it. Thought I deleted it. Then later on saw another note on the same subject and decided "oh, what the heck, I'll tell the story" and rewrote it.

Anyone want to read it again? It gets better every time I tell it!

OTOH, maybe I am over the hill and should join that club. :-) :-) :-) :-)

OK, back to our regular QRP subjects.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC

Prolably, but not nececelery. -- Benny Hill

Date: Tue, 6 Jan 1998 22:19:20 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <daniel@pandora.lugs.org.sg>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [267] Re: Component stress in ATU
Message-ID: <199801070408.XAA31668@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Daniel,

I can answer the last part of your questions, based on my tuner testing.

>> Oh, and under severe mismatch conditions, do the components in the
ATU
> get hot?

That depends on the efficiency of the tuner. I've tested efficient tuners that would handle severe mismatches with no more than about 20% loss (or 1 db). Others may be less efficient, show 1.0:1 SWR on their meters, and lose more than 90% of the signal. (get warm)

Bob Kellogg, AE4IC, Greensboro, NC

Prolably, but not nececelery. -- Benny Hill

Date: Tue, 06 Jan 1998 21:16:04 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [268] Got'em by being there.
Message-ID: <34B30184.5CB2@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just sitting there catching up on email with the headphones on listening to 7039.5 w/filters cranked in all the wayalmost forgot I was listening to the radio...and who should pop in out the blue and calls CQ...the FOX!! I was so stunded I almost missed 'em. I hestated at first waiting for the howl of the hunters but nothing...they still tuning for him... so I toss in the call and Dean came right back...WOW I got 'em....This doesn't count does it?? It was given to me. I mean I didn't have to hunt, call or strain my ears for hours on end. Nope this can't really count as a fair catch. Can it?

Steve/n0tu . .

Solar powered QRP/CW

"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Tue, 6 Jan 1998 23:23:16 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [269] Re: FOX SPOT
Message-ID: <199801062326_MC2-2E56-6D0D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob:

Well *congrats*, OM! Glad to help with it. When the hunt first started I thought, oh no, another rough night on 40 Metres. It didn't get better when there were a few *LOUD* CQ's on-frquency. Then it got even worse when the RTTY started. Wow.

But....even then I was catching occasional glimpses of the FOX, darting here and there :-). So I kept hanging in. And when he QSYed, suddenly things began to improve and I snagged him right at 0300Z. Not real pretty, but there it is.

Anyway, very glad for YOUR success, FS!. Man, this stuff is addicting, isn't it! During the holidays I worked over 40 countries on several bands (have already received QSL's direct from 4 of them!). But to me the FOX hunt is even more exciting. We QRPers are greatly in Chuck Adams's debt for this fantastic idea.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 06 Jan 1998 23:27:46 -0500
From: the one and only <mitch96@pobox.com>
To: Qrp-1@Lehigh.EDU
Subject: [270] portable recievers
Message-ID: <34B30442.5296@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

bud wrote,

Page 74 of the 1998 Radio Shack Catalog

DX-392 20-219 Digital with built in tape recorder and timer
AM, FM, LW, CW, SSB 45 pre-sets, scan, rotary and keyboard tuning
150kc-29.999Mhz
Not Cheap at \$259.99

hi, mitch here.

crane communications sells the sangaen radio line. this is the radio shack radio. they sell the 818 on sale for 150.00 with shipping. i also installed the antenna and tuning mod. very simple. the version with the

tape recorded didnt get such good reviews from a european short wave
mag, but the 818 did well.
with 65 feet of copper wire wrapped around my bedroom i listen to all
the ham bands and around the world.
url for crane com
<http://www.ccrane.com/shortwav.htm>
happy listening
Ww4m1
--
is it possible to be totally partial?

Date: Tue, 6 Jan 1998 23:25:02 EST
From: Jerrydeen <Jerrydeen@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [271] ARCI QRP Quarterly
Message-ID: <63f26174.34b303a5@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I just received my ARCI QRP Quarterly.

WOW!!! What a publication. This has always been a great publication, but the
layout, cover, eetc. very professionally done. Great job, Ron, Joe and all
others involved. If you don't get this, you are missing out!!

Tnx guys.

72 Jerry WB0T

Date: Tue, 6 Jan 1998 23:36:18 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Chuck Adams <adams@chuck.dallas.sgi.com>, QRP-L Discussion Group <QRP-
L@Lehigh.EDU>
Subject: [272] Re: Tnx for Antenna Coil Help
Message-ID: <199801062340_MC2-2E50-E4AD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Chuck:

Sorry! Sent *one* IRC as always. BTW, some guys return it when they QSL. I'd say maybe 1/3 of the time. Interestingly, worked over 40 countries during the holidays...mostly on 17 and eve 30 during the daytime. What a haul.

But here's the kicker = 4 of them have already sent *me* QSL's, before I have had time to QSL them. Wow. Don't have a clue why, but what a thrill.

BTW, thanks for for putting together this whole FOX business. It is a great thing. I believe it is helping the QRP movement really gain focus and momentum.

CU es 72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 12/30/97 = 21. A 1997 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Wed, 7 Jan 1998 00:13:12 -0500
From: "Dean Marzocca" <n2tnn@ifu.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: "dean" <n2tnn@ifu.net>
Subject: [273] Fox report 1-7-98
Message-ID: <199801070514.AAA03979@ifu.ifu.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

OK gang,

What a night here. I think I might have the largest RTTY attractor antenna in the country. The signals followed me up and down the band just like magic. Then when I lost the digital, several other stations followed me and dropped dead carriers just when you were giving your reports.

I deeply appologize for not having more patientce but my ears were ringing from all the tune-ups.(yea right! let's all tune-up on the fox) Sometimes I had the rig filter down to #2 and I still couldn't cut thru it all. I was

surprising that when I opened the filter up again, I heard stations calling me higher and lower in frequency

There are a few mistakes in the log but I felt a missed number was not as important as getting to all the hounds calling me. I tried to keep all the repeats to a minimum and get hit as many times as possible. This is not the best log in the FOX season, but better luck next time, or should I say next week when I get to try it again.

New Jersey, the arm pit of the northeast, but we like it that way. More people per square inch than fleas on a beach.

Set-up here as follows:

Index Labs QRP+ with companion tuner/battery
5w into Gap vertical
WM-1 wattmeter
MFJ keyer and bencher paddle

LOG:

0204	KJ3V	559	AL	LYNN	1227
0206	AB5UA	559	OK	CLIF	478
0212	N2WF	559	NJ	BILL	955
0212	N7IR	559	AZ	GARY	1330
0217	N6XU	559	CA	STAN	66
0218	AB7TT	559	AZ	JOE	191
0222	K5ZTY	449	TX	BILL	473
0223	W6ZH	559	CA	PETE	257
0227	K5FO	559	TX	CHUCK	1
0229	N1TP	449	FL	TOM	1317
0230	K5JHP	339	TX	BILL	825
0239	K5VUU	559	TX	ED	1343
0240	N4XDW	559	AL	JIM	1372
0244	W5FN	589	TX	TIM	586
0245	KA5T	449	TX	LARRY	89
0248	N5JI	569	TX	DICK	1054
0250	N6MM	559	CA	HARVEY	318
0251	WB0CGH	599	TX	BRUCE	377
0254	K0EVZ	559	MN	DOC	861
0300	KI0KY	599	CO	STEVE	1303
0306	K10J	559	TX	OJ	732
0307	W5SB	559	TX	BILL	1279
0309	K5ON	589	NM	GARY	770
0310	W0RW	599	WI	PAUL	2W
0315	KQSU	599	TX	TERRY	5W
0318	KU67Y	229	NV	RON	17
0328	N4XDW	339	AL	JAY	1372

0337	NQ7X	559	AZ	RON	343
0340	N0TU	559	CO	STEVE	911
0342	K1MG	339	CA	MIKE	614
0345	KI7MN	339	AZ	BOB	271
0348	N7XJW	559	AZ	ALBERT	1259
0350	AA0ZZ	599	MN	CRAIG	1238
0354	KD40BQ	559	FL	BOB	1009

34 stations and a few new states for me. QSL if you would like to. No SASE is needed, just send them out for that rare state on the east coast. I tried to make it unique for those of you collecting WAS from verticals, battery power, or from a junk keyer or WAS from a great radio (QRP+) with a sister tuner.

Send them out and you will get one in return. Picture of "HAM IT UP" is on the card, my favorite boat. (well, for now at least)

Report all mistakes here for immediate correction.....

Thanks for the fun

72/73 Dean N2TNN NJ
n2tnn@ifu.net

Date: Wed, 7 Jan 1998 00:20:57 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [274] FOX - No Joy/Lots Heard
Message-ID: <85256585.001C381A.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Hardly heard anything out of the fox tonite. He did come up out of the noise so I could tell he was there with about 10 minutes left in the sked. Never heard enuff to work him. Bummer.

However, I did implement Chuck Adams' Tip No. 12147.4 ; >) and begin writing down some of what I heard. Here's a sample. I may have a wrong character here or there, but you can figure it out I am sure. Lots of you guys had great sigs at this QTH tonite - lots I would give a 579 to 599:

K5ZTY - BILL, N1TP - TOM/FLA, W6ZU - PETE, K5F0 - CHUCK/NUMERO UNO, K10J, K0EVZ, W5SB, W0RW - PAUL/2W, K5VUU, K5GQ, WE6W, K5OI, WB0CGH, KU7Y -

RON/229/NV/17, N6WP, K2CVO, KI7MN - BOB/AZ, N7XJW, AA0ZZ - CRAIG

And that's the longest I have ever heard Bob/KI7MN take to complete a QSO
-- but he did it! Ha!

And after Craig, I finally shut down.

72 - Watson/WB4EXW

Date: Tue, 06 Jan 1998 23:26:08 -0600
From: jbhenson@zebra.net (James Bartley Henson III)
To: qrp-1@Lehigh.EDU
Subject: [275] (no subject)
Message-ID: <34B311F0.344A@zebra.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello to everyone,

Been reading the listing for about a month and have come to appreciate
the wealth of knowledge and help available here. A really great
resource.

Between the noise, SSB, data and fading signals, it took several
separate contacts between Dean (the fox) and myself before I think
I got it right tonight. I even spelled my name and state correctly
this time (he he).

I have a question for the group. My Ten Tec 509 and JSP
NIR12 DSP worked mighty hard tonight trying to dig Dean out of the
noise. Would a crystal filter in the IF of the 509 help in this
effort? If so, does anyone have one of the filters (I don't have
a Ten Tec model #) for sale or a schematic of one?

Thanks in advance and Happy New Year to all.

Jay N4XDW

Date: Sun, 4 Jan 1998 15:34:00 -0600

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [276] Re: N2TNN Fox
Message-ID: <M2357829.001.efk70.1.980107053606Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Boy, Dan, if you had been any weaker tonight, you wouldn't have been there. There were periods when not only you but everyone else disappeared too. You never were loud enough to make a call worthwhile.

We have rain cells passing through this evening, and the static crashes were tough to copy anything through. Also the famous digibuzzes were out in force, and one that even sounded like the jamming noise we used to hear on sw BC stations years ago.

Still, I got lucky and made a good haul of hunters' calls--K50I, N7IR, W6ZH, K0EVZ, NQ7X, AB7TT, WB0T, K5RV, K5VUA, K5ZTY, N5LU, K5FO (was this the TenTec rig, Chuck? I could hear you!), K1MG, N4BP, K5JHP, N5JI, W5SB, K10J, W0RW, KQ5U, KU7Y, WA6NAE and W03B.

Hope it went well on your end.

72, Bob N6WG and a frustrated 01' Kenwood

Date: Tue, 06 Jan 1998 23:22:45 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-1@Lehigh.EDU
Subject: [277] Whoa, whatta FOX!
Message-ID: <34B31125.1B9A9CA2@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dean - got in from our FD business meeting about 0230, & turned on the rig.. tuned up & down some,, heard a very loud carrier on for a long time around 7040, figured someone was messing with the pack, so tuned down below & was listening for the bay of the hounds, but didn't hear anything... then, this huge signal sent .. cq fox de hey, this can't be the fox, he's 589 - really! Was kicking S8 to S9 on the 940. I didn't even push the memory button on the keyer box, just did it the old fashioned way.. fist attached to the UGLY NCKeyer :) I sent my info, then was receiving yours, when you sent your qsl, your signal had dropped to less than 229. Talk about falling off a cliff!! Glad I didn't wait any

longer, otherwise I wouldn't have heard you at all.

Thanks for the pelt, & hope lots more guys got a good shot!

cu

Tim W5FN

Date: Tue, 06 Jan 1998 22:44:47 -0800
From: Brian Kassel <bkassel@dancris.com>
To: fgrig@iea.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [278] Re: "Pocket Elephant" at CompUSA--Turn back, it's a trick!
Message-ID: <34B3245F.421C@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frank Grigaliunas wrote:

>
> Somebody mentioned the other day that CompUSA was offering a the Aurora
> VR200 "Pocket Elephant" digital voice recorder essentially for free.

That would be me.

> The Pocket Elephant might be a nice tool for QRPers, but you might want to
> try Egghead or somewhere rather than wasting your time at CompUSA.

Hmmm... sorry that the store had such an attitude, and I thought that
Fry's
here in the Phoenix area had dibs on having such a bad attitude.

I'll admit that the unit was hard to find in the store, but it was
advertised
in their Sunday flier, and indeed they did exist, if only for a sgort
time.

Maybe what we have here is the old "Bait and Switch". Too bad, it IS a
fun
and useful toy.

Brian Kassel W5VB0
ARCI # 3623

Phoenix AZ ScQRPions

Date: Tue, 6 Jan 1998 23:15:23 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [279] Re: Got'em by being there.
Message-ID: <199801070615.XAA11239@usr01.primenet.com>

Howdy,

Steve (N0TU) wrote:

>
> Just sitting there catching up on email with the headphones on listening
> to 7039.5 w/filters cranked in all the wayalmost forgot I was
> listening to the radio...and who should pop in out the blue and calls
> CQ...the FOX!! I was so stunded I almost missed 'em. [... SNIP ...]
> Nope this can't really count as a fair catch. Can it?

On your knees, fellow Hunters, and pay homage to the
Zen Master Hunter. "I will not acknowledge the Fox,
therefore the Fox will come to me..." :-)

Sheesh, not only does it count, I think it's a sign
of some kind of Divine Intervention. Remind me to stay
on your good side. :)

Congrats!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 07 Jan 1998 01:35:19 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: fgrig@iea.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [280] Re: "Pocket Elephant" at CompUSA--Turn back, it's a trick!
Message-ID: <3.0.1.32.19980107013519.00b7cdd0@mail.atl.bellsouth.net>
Mime-Version: 1.0

Ever since I bought a supposedly 'new' tape drive that was actually re-shrunk-wrapped, I won't touch their stuff with a ten foot pole.

I have heard you can sue people for stuff like that (selling used stuff as new), but I think voting with my wallet-and the wallets of all the people I consult to-does just as good a job. And you're right about the attitudes. Awful place to try and ask a question.

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!" Henry Ford

I know this "trick" I use will draw a few howls from the EE's here on this list, but I get away with it. When going from 4000 to 74HC, I put a series resistor (5 to 20K) between the 15v logic signal and the 74HCxx gate input. I then take a 1N4148 diode (use a 1N4153-1 if you need

higher speed) and connect it's ANODE to the 74HCxx gate input and connect the CATHODE to it's +5V supply pin. This will clamp the logic signal to 1 diode drop above the supply voltage to the chip. This will provide good service life if you are not running high temperatures (>60 deg C). The resistor value is chosen based on the current sourcing ability of the 4000 series device.

It is not pretty, but it gets the job done.

73,

Don Jones K07i (ko7i@juno.com)

Stanwood, WA 360-652-0248

QRP-L #963 - NWQRP #435 - NORCAL #2386 - Geratol #1571

Date: Tue, 6 Jan 98 23:00:28 PST
From: frank__west@ccmail.sfpp.com
To: qrp-l@Lehigh.EDU
Subject: [282] unsubscribe qrp-l
Message-ID: <009BFE7F58670580.202093BB@sfpp.com>

Message Creation Date was

unsubscribe qrp-l

Date: Wed, 07 Jan 1998 02:40:59 -0800
From: Gardner / Maguire <bagardn@ibm.net>
To: nskousen@scientech.com
Cc: qrp-l@Lehigh.EDU
Subject: [283] Re: RF-1 'manual'
Message-ID: <34B35B9C.2CC@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Niel and the group,

The equation for deriving $R+jX$ from SWR and Z is (are):

$$R = ((2500 + Z*Z) * SWR) / (50 * (SWR*SWR + 1))$$

$$X = \text{SQR}(Z*Z - R*R)$$

Best accuracy when SWR > 1.2 and < 5, and when neither R nor X is very small compared to the other.

I've got all this coded up in a BASIC program, including some error

tolerance ranges for SWR and Z and hints on determining the sign of X.
Also have a program to let you calculate what the R+jX is at the "other"
end of the transmission line, like if you measured the SWR in the shack
and want to know what it is at the antenna (ie, Smith chart rotation).

Free for the asking, as long as your email system can accept an attached
ZIP file of about 27K. Just drop me a note.

73,

Dan AC6LA

Date: Wed, 7 Jan 1998 07:01:27 -0500 (EST)
From: "L. Jeffrey Hetherington" <jhetheri@freenet.npiec.on.ca>
To: Multiple Recipients of List <qrp-l@Lehigh.EDU>
Subject: [284] /QRP for WAS
Message-ID: <Pine.SGI.3.96.980107065755.17485A-100000@freenet.npiec.on.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

After reading about the difficulty getting /QRP added to the call I had to
interject with my recent experience.

I have had VA3JFF/QRP cards made up, and send them out for 95%+ of my QRP
contacts. I also see about a 50% return rate with /QRP for my call. One
card I recently received (haven't mailed it back yet) is fine, includes
the /QRP but is made out to VE3JFF/QRP.

Yes folks there are VA3 operators in Ontario. Yes we have HF priviledges
too!

Worst part is that I need it for my general WAS too 8(. Guess I'm still
waiting for my last 2 states. (KS and MA)

73/72

Jeff - VA3JFF

<http://www.geocities.com/Colosseum/2572/QRP.html>

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-mail: L.Jeffrey.Hetherington@InternetAddress.com

Date: Wed, 7 Jan 1998 08:29:22 EST
From: n4dj@juno.com (Don Johnson)
To: qrp-1@Lehigh.EDU
Subject: [285] 80 meter transmitter
Message-ID: <19980107.082923.7215.0.n4dj@juno.com>

I am trying to reply to a post by NH6IL but the e mail address (jherman@Hawaii.Edu) does not work. Jeff if you read this I would like you to e mail me your previous xmtr circuits. I missed the postings.
Thanks & 73,
Don N4DJ

Date: Wed, 07 Jan 1998 08:56:46 -0500 (EST)
From: jeverhar@camden.lmco.com
To: n2tnn@ifu.net
Cc: qrp-1@Lehigh.EDU, njqrp@njqrp.org
Subject: [286] Re: Fox report 1-7-98
Message-ID: <9801071356.AA23491@train11.CAMDEN.LMCO.COM>

Dean, you wrote:

>OK gang,
>
>What a night here. I think I might have the largest RTTY attractor antenna
>in the country. The signals followed me up and down the band just like
>magic. Then when I lost the digital, several other stations followed me and
>dropped dead carriers just when you were giving your reports.

<SNIP>

I listened for you knowing with fair confidence that we are too close (~50-70 mi). I *did* hear the pileup pretty well *and* all of the RTTY guys who just happened to follow you around. Even though I heard you at ESP levels once or twice. Haven't worked a fox yet this season - of course I have been off on business most of the summer and fall...

I noted that a number of folks kept banging away with their callsigns trying to catch you after signing with the previous contact. I suppose that since they didn't hear you (weak sigs) they figured you were not working the next guy. I got the feeling that they often clobbered you when you responded to someone else. From your perspective as a fox, how many times should folks repeat their calls when trying to catch you? Twice? Three times? Five or six times? (I heard that more than once!)

Maybe I'll catch you some day! Hmmm, if I went mobile the *next* time you

played fox and parked somewhere up in north Jersey, maybe I could catch you!

72/73,

Joe E., N2CX

work: jeverhar@camden.lmco.com

hoem: n2cx@voicenet.com

Date: Wed, 07 Jan 1998 08:04:47 -0600
From: "Rattray, Bruce" <Rattray@sias.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [287] N2TNN
Message-ID: <ABB04875E11AD01191A40000F83092BE566FA5@stone.sias.sk.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT

Well another hunt during which the fox was never heard...this has been the situation for the last three or four hunts ...hmmmmm...did you put that shield back up on the border Chuck?...;-)was tempted to call JH5UB just before the hunt time but didn't in favour of the fox hunt ...I did follow the hunt as I copied hunters from time to time...it looked like Dean moved several times...7.037, 7.038, 7.040, 7.039...had a lot of rtty, cw qsos on top of where the fox was, etc. ...I copied a number of calls during the 2 hour period ----- VE5WF, N5LU, AB7TT, N6ZH, NQ7X, W0RW, K10J, K1MG, K0EVZ, KU7Y (strongest signal by far during this period), N7XJM, K50N, W03BAF7D, KI7MN (had to work for this one Bob eh?...HI HI...) around 0328Z no signals from the hunters so went cruising and heard TI20HL calling CQ from Costa Rica (lsb) so I called him....contact made...he was 55 here and I was 59(?) there...Octavio was running 1300 watts and I was running 5 watts...so it must have been a one-way skip thing... looks like Canada was skunked last night...that's ok as it makes it all the sweeter when we do catch another pelt!...Happy New Year to everyone!...72 - Bruce (VE5RC/VE5QRP)

e-mail: rattray@gpfn.sk.ca

Date: Wed, 7 Jan 1998 14:01:43 GMT
From: David Ackrill <g0dja@zetnet.co.uk>
To: qrp-l@Lehigh.EDU
Subject: [288] Sprint Multipliers

Message-ID: <1998010714014383290@zetnet.co.uk>

> Well if the opinions of X-XYL's are factored in...

I'd win with one contact ;-)

Dave (G0DJA)

Date: Wed, 7 Jan 1998 13:57:01 GMT
From: David Ackrill <g0dja@zetnet.co.uk>
To: qrp-1@Lehigh.EDU
Subject: [289] Re: QRP-L digest 962
Message-ID: <1998010713570183290@zetnet.co.uk>

Re the following:-

>RS Components used to be Radiospares, some years ago. RS and Farnell are
>the two largest component suppliers in the UK. RS has a subsidiary,
>Electromail, who supply the same components to non-trade purchasers,
>like hobbyists.

RS will sell over the counter to non-trade buyers, I use the one in
Leeds. I think the same applies to Farnell (again, there is a Farnell
place in Leeds, or there was!) anyway, a friend at the radio club has
an account with them and will very kindly get stuff for members of
our club for us anyway!

However, as ever, the more you buy of a particular item, the cheaper
per item it becomes.

Cheers - Dave (G0DJA)

Date: Wed, 07 Jan 1998 09:59:53 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [290] Re: Mi. Test.....QQ.....N4BP, give him a break\!
Message-ID: <34B39869.48D3@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you can't zero beat, at least call on a clear frequency :-), preferably with both callsigns, so we can figure out who you are calling.--Zack W1VT

Date: Wed, 7 Jan 1998 15:00:45 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [291] FOX hunter behaviour and Contests
Message-ID: <199801071500.PAA03072@chuck.dallas.sgi.com>

Gang,

I'm getting email on some stuff and I really don't know what to do about it, so let me try this first.

The foxhunt is a friendly exercise. It is not a contest in the strict sense of the ham world version of a contest. There are no prizes this year so that the behaviour of the group would quieten down a little. :-). Still will do the certificates like last year (oh, some of you did move and if you didn't get one let me know and I'll check the list).

I have heard the same behaviour from some people for the hunt that we hear during DX pileups. People who repeat their calls too many times (what I call the 'shotgun' approach) in order to hope that they get lucky. If you don't hear the fox, then what is the purpose? If the fox comes back you'll miss the exchange anyway and you are just creating QRM and slowing things down. The keyword is always listen first then act. My recommendation is to send your call one time when you hear the fox make a CQ and see if the fox comes back. I know and you know that some people come up on the pileup and inject their call just for the heck of it. Experience will tell you when to call after you hear the fox first. when to call can best be determined by listening to the fox and the hunter(s) and just how they did it. You will have a better chance when you do call if you take data first.

This group is very very sharp and they are taking data. Listen to what they say.

FYI

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 07 Jan 1998 08:13:04 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: adams@chuck.dallas.sgi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [292] Re: FOX hunter behaviour and Contests
Message-ID: <34B33910.8177C90C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well said. I listened last night for N2TNN...never did hear him, but heard many hunters get him.

I also heard many many multiple calls, and started taking a list of them. Lots of these calls are strange to me, and don't appear on the QRP-L member list. Perhaps they will learn. Might have to make up a special "SWL card" I can send them to let them know how to do it.

--

72/73, de Roger, N7KT

Date: Wed, 07 Jan 1998 09:25:09 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [293] no joy in Regina
Message-ID: <ABB04875E11AD01191A40000F83092BE566FA8@stone.siastr.sk.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT

...picture this...0200Z...BLATTTT!!!.... the hunt is on!.....and the hunt is on.... the hunt is on?...no hunters heard...no fox heard.....oh well, I need more practice tuning...
counterclockwise...clockwise...counterclockwise...clockwise...ccw...cw...
.ccw...cw...ccw...cw...ccw...cw...zzzzz....head snaps
upward...ooops!...must not do that...ccw...cw...ccw...cw...ccw ...cw...
hmmmm ...must not sleep ...set the scan ...tweek, tweek, bleep, bleep
...scan...scan...scan...scan...scan...scan... head

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Wed, 7 Jan 1998 10:26:50 EST
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [295] Re: Dentron MLX-Mini qrp rig
Message-ID: <23cd5d22.34b39ebc@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Some additional comments about the (circa 1984) Dentron MLX-Mini QRP ssb transceivers:

This rig came out about the time Dentron was going under for the final count. While a few of these xcvr's had serial numbers on the bottom, most of these transceivers had "experimental" stamped in place of the serial number.

The main board in the rig was a Mizuho SG-9 board, made and tested in Japan, which was a great little 9MHz IF transceiver in itself...including its 8 pole 9.000 MHz crystal filter. It alone forms a great building block for designing a rig today. (The same board was used in the Civil Defense and other HF radios made by Dentron)

The rest of the rig's PC boards were made by Dentron and many had problems. The digital readout was good only to about 10 MHz...tho some worked higher...and the PC board was supposed to have numerous plated through holes...which were not! Also this readout board and 1 MHz xtal circuitry was often Noisy...

Some of the SG-9 boards used 9.0015 MHz BFO xtals, while others had 8.985 MHz BFO xtals. Not all Dentron transceivers came with proper BFO xtal for band of xcvr.

Transmitter design and PC board layout was helter-skelter. Often, Dentron transmitter boards used 15 volt tant. electrolytic caps which blew up if 13.6 volts or more volts were put thru them (Dentron CD transceiver ran unregulated power supply at around 18 volts). All in all, way too many of these rigs appeared to me to have been wired with the left foot of a severely hungover right handed person early on a Monday morning after a long all weekend party.

The best utilization of the SG-9 board came from the G-QRP group, who kept the SG-9 board intact, and newly designed all else around it. I am still highly impressed with their designs and finished products!!! (Boy they have some great talent!)

Anyway, this post is too long, so enjoy the bit of Dentron MLX-Mini history

for what it's worth, and keep your eyes out for one of these little rigs.
Still a grabber and keeper in my opinion.

Bill, K5BDZ >>

Date: Wed, 7 Jan 1998 10:31:46 EST
From: N10DL <N10DL@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [296] FOX into NH
Message-ID: <31ff6424.34b39fe3@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Listened and listened and listened for the FOX but heard nothing but LOUD qrm and RITTY. I am beginning to think that there is a wall that starts at the border of this state. I am running my MFJ and wish I had some filters for it. (have to look into that). My antenna is a G5RV,Jr in the attic. From what I hear, most of the foxii are running verticals. I know I am getting out because I spoke to Bill(N4BW last nite for about 25 minutes but it was very QSB/QRM. Still hoping to snag me a fox yet.

Aron
N10DL
QRP-L#1326
FISTS#4110
Hooksett, NH
(can't get enough QRP)

Date: Wed, 07 Jan 1998 10:41:17 -0500 (EST)
From: n4js@pobox.com
To: n2tnn@ifu.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [297] RE: Fox report 1-7-98
Message-ID: <XFMail.980107104117.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 07-Jan-98 "Dean Marzocca" typed:

>

>New Jersey, the arm pit of the northeast, but we like it that way. More
>people per square inch than fleas on a beach.

Dale Anderson In the Mt Washington Valley
KB0VCC Conway, New Hampshire
QRP-L #91 / CQC #251 Grid Sq: FN43KX
ARS #234 / FISTS #3172 <http://www.qsl.net/kb0vcc>

=====

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 07 Jan 1998 11:31:48 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [299] Instant replay ... usefulness?
Message-ID: <34b2f724.pandora@pandora.lugs.org.sg>

Hi,

I was just wondering about how useful it would be to build an instant replay device. I got the idea from some discussion about the Cockpit Voice Recorders and thought it would be really easy to build such a device to keep the last 30 seconds of the radio's audio and will play it back at the press of a button. Might come in handy for those missed or garbled calls. So, how would you rate the usefulness of such a device? Thanks.

73 de 9V1ZV Daniel

--

```
+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org             |
+-----+
```

Date: Wed, 07 Jan 1998 11:02:21 -0500
From: "William F. Nicolson Jr" <n2wff@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [300] Re: No hear, no work
Message-ID: <34B3A70D.A59FF874@erols.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Dave and Dean, I listened for most of the hunt and had a hard time hearing Dean
I think I just got lucky ;^) he was in and out most of the night and the SSB /
digital stuff didn't make it any easier.
Thanks Dean for pulling me out of the mud you are my 6th fox this year!!
73 and hope to catch you on the 24th 72/73 de Bill N2WF

David Maliniak wrote:

> Dean:
>
> Boy, it *was* tough last night, wasn't it? I listened for well over an hour
> but never heard you, not even a peep. Very frustrating. At about 0245, the
> loudest signal on the band came up right over the hunters. I guess that's
> RTTY; boy, is it annoying! Blew away about 4 kHz of the band at my QTH. You
> were on about 7.037 then. I tuned around after that and finally picked up
> the hunt about 2 kHz up but still never did hear you at all. I did hear
> AB7TT working you as well as a bunch of the Texas stations (not Chuck,
> though).
>
> Glad to see that you worked Bill and finally got NJ on 40 meters. Just wish
> it could have been ME!
>
> 72 David N2SMH
> Glen Rock, NJ
>
> ===== NJ QRP Club Mailing List =====
> To unsubscribe from this list, send email to listserver@waterw.com
> and put the text "unsubscribe njqrp" in the message. To post a
> message to the list, send email to njqrp@njqrp.org.

--

72 de Bill Nicolson -- N2WF
QTH: 38 Tanglewood Lane - Colonia, NJ 07067-3036
Clubs: NJQRP#68; FISTS#2016; NorCal#2098; QRP-L#955; ARS#332
E-Mail: n2wf@erols.com
Stuff: OHR-400; NC40a; 38S; SW-40; NorCal Paddles; LDG QRP Tuner
OHR WM-2; OHR SCAF; Island Keyer

Date: Wed, 07 Jan 1998 11:08:37 EST
From: kh6b@juno.com (Dean W Manley)
To: qrp-l@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [301] N3JW.N3JW.N3JW
Message-ID: <19980107.061014.5391.0.kh6b@juno.com>

N3JW... I need your e-mail address so I can reply
about the HI QRP Club. Seems that I lost your
e-mail address during the holidays.

73 and Aloha, Dean Manley KH6B
ARRL Life Member, HI Chapter QCWA,
ARCI 6257, QRP-L 1032, HI-QRP 1,
NorCal 1928, NW QRP 470, OOTC 3642
kh6b@juno.com VTI / W9SAL

Date: Wed, 07 Jan 1998 11:25:02 -0500
From: jim <kw3u@warwick.net>
To: qrp-l@Lehigh.EDU
Subject: [302] Pixie xmtr
Message-ID: <34B3AC5E.70E2@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I must of missed it in the past, but would like
to purchase a couple of those pixie xmtrs...don't know
what HSC is? to buy them. pls e-mail me direct with
address or url and any construction tidbits...mni tnx

72 Jim kw3u

Date: Wed, 7 Jan 1998 11:32:52 EST
From: SKIP NC90 <SKIPNC90@aol.com>
To: vole@primenet.com, qrp-l@Lehigh.EDU
Subject: [303] Re: inactive clubs

Message-ID: <39226f30.34b3ae36@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The local Ham club I joined last year (97) had its yearly elections. I was asked if I would like to run for president. There was no one running (or for VP). I have only been able to attend 4 meetings and miss most of the nets because of my work schedule. I did not even make the election meeting. This is a club of about 200 members. They are very active in other areas of ham radio. I guess not far as becoming an officer to run the club. Just little interest there.

73 De Skip NC90

Date: Wed, 7 Jan 1998 08:28:48 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [304] Frequency offset question
Message-ID: <Pine.SUN.3.91.980107082010.15011A-100000@crl6.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Assume we are using SSB rigs at both ends of the qso. Assume at point A that a 1 khz signal is keyed (CW) into the mike jack and the receiver is set for receiving an offset of 1 khz. Point A and B on the same side band.

Now at point B he tunes his receiver to listen to a 2.5 khz beat note and transmits by feeding a 2.5 khz signal (CW) into the mike jack.

question: Are points A and B tuned to the same frequency ? ignore what the dial shows. IF we used a frequency counter on the actual carrier would they be the same ? If not - why not ?

thanks, de stan

Date: Wed, 7 Jan 1998 08:46:21 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: <adams@chuck.dallas.sgi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [305] Fox: Caught with pants down trying to moon the fox.
Message-ID: <01bd1b8b\$c887f7c0\$309f5ecf@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wily fox was well camouflaged last night, hiding amongst the RTTY, latin SSB, and static crashes. I held my fire most of the time. Every so often, however, I heard him pop up between the bushes for a clear shot. I knew that I wouldn't have too many opportunities, so I listened and tried to figure out a good strategy. Seems that this was a fox who loved to bay at the moon -- that is -- he'd stay hidden until he heard a late caller willing to stick his butt out.

Well, I'm not proud. A person has to eat, you know. If that fox wants to bay at the moon, I'll show him a good one. So I waited until the last possible second and stuck my call in there. As the QSB swelled, I heard the fox send a report, but it wasn't for me! I had jumped in too late and clobbered the first part of his QSO -- with K5F0! Caught in a humiliating position with my pants down in front of the Master! Yee-ow! Sorry about that, Chuck.

Reminds me of that time in high school when the school nurse walked in on....but that's another story....

Anyway, I managed to overcome my embarrassment and got a good shot later on, just so Joe wouldn't get a swelled head.

Thanks Dean, for a good job in a challenging environment.

Mike K1MG

Date: Wed, 07 Jan 1998 10:34:38
From: Steven Weber <kd1jv@moose.ncia.net>
To: ko7i@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [306] Re: Interfacing HC CMOS with Higher Voltage 4000 CMOS
Message-ID: <3.0.1.16.19980107103438.2d773702@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ron,

> I know this "trick" I use will draw a few howls from the EE's here on
>this list, but I get away with it.

The resistor-diode trick is a valid one, although it might limit the speed of the circuit. Of course, if both devices are operating at the same supply voltage, they can be connected directly.

A number of the 4000 series parts are also available as 74HC parts, so that might also be an option..

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 07 Jan 1998 10:01:04 -0700
From: Andy Fox <foxes@theriver.com>
To: qrp-1@Lehigh.EDU
Subject: [307] Thanks for ZM-2 Info!
Message-ID: <34B3B4D0.19E9@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all that responded to my request for ZM-2 info. I'm pretty sure that I thanked everyone personally, but wanted to make sure.

Thanks again, and 73

--

Andy Fox, KK7HV
mailto:foxes@theriver.com
<http://personal.riverusers.com/~foxes/>

Date: Wed, 7 Jan 1998 10:15:33 -0700
From: "Caro, Carlos" <CCaro@ccs.lmco.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, "'microres@crl.com'" <microres@crl.com>
Subject: [308] RE: Frequency offset question

Message-ID: <22C29700E1CFD011920900608C14D84B3F7294@cos141-gate55.ccs.lmco.com>

> From: Stanley Wilson[SMTP:microres@crl.com]
> Sent: Wednesday, January 07, 1998 10:28 AM
> To: Low Power Amateur Radio Discussion
> Subject: Frequency offset question
>
> Assume we are using SSB rigs at both ends of the qso. Assume at point
> A
> that a 1 khz signal is keyed (CW) into the mike jack and the receiver
> is
> set for receiving an offset of 1 khz. Point A and B on the same side
> band.
>
> Now at point B he tunes his receiver to listen to a 2.5 khz beat note
> and
> transmits by feeding a 2.5 khz signal (CW) into the mike jack.
>
> question: Are points A and B tuned to the same frequency ? ignore
> what the
> dial shows. IF we used a frequency counter on the actual
> carrier would they be the same ? If not - why not ?
>
> thanks, de stan
>

If the audio bandwidth of the amplitude modulator is wide enough to pass the standard 300 to 3000 Hz, you can xmit both tones without changing carrier frequency. If the IF bandwidth is wide enough to pass up to 2.7/3.0 kHz you dont have to retune your receiver to hear both tones. If you center each tone as you hear them the carrier freq of each xmtr will be different assuming that you are in transceiver mode on each end of the link.

73, Carlos

Date: Wed, 7 Jan 1998 12:28:08 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Stanley Wilson <microres@crl.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [309] Re: Frequency offset question
Message-ID: <Pine.OSF.3.95.980107120552.21557B-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This must be some kind of trick question but I'm game, let me know if

I get it right...

On Wed, 7 Jan 1998, Stanley Wilson wrote:

> Assume we are using SSB rigs at both ends of the qso. Assume at point A
> that a 1 khz signal is keyed (CW) into the mike jack and the receiver is
> set for receiving an offset of 1 khz. Point A and B on the same side band.

You are modulating your SSB rig with a 1Khz tone, kind-a like whistling into the mike, that's NOT what we would typically call a CW (continuous wave) signal, but go on you're fine...

> Now at point B he tunes his receiver to listen to a 2.5 khz beat note and
> transmits by feeding a 2.5 khz signal (CW) into the mike jack.

So the the station listening to the 1 KHz tone DE-TUNES his RECEIVER away from center-frequency to RAISE the pitch of the tone to 2.5 KHz...

His TRANSMIT freq has not changed, but you have this person "whistling" a 2.5 KHz tone into his microphone input... that's probably outside of the audio passband for a typical SSB rig, but go on, you're fine...

> question: Are points A and B tuned to the same frequency ?

The transmitters are on the same frequency.

Station B has detuned his receiver away from center-frequency 1.5Khz.

> ignore what the dial shows.

Sure, dial frequencies are just relative indications anyways, unless you are traceable to the NBS. :-)

> IF we used a frequency counter on the actual carrier

What carrier? You said this is SSB, there (should) be NO carrier frequency (it's suppressed).

> would they be the same ? If not - why not ?

If you mean the LOCAL OSCILATOR of each radio, the transmitters have never changed frequency so it's safe to say they are as close as possible.

I'm not the brightest bulb in the box, but, I think you want to ask the question over, unless it's a trick, I probably really screwed it up!

73 =paul= W8KC

Collector of TenTecs and other fine plastics

Date: Wed, 07 Jan 1998 17:28:37 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [310] FOX: No Suit and Tie
Message-ID: <34B3BB45.68B9@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This could be the tale of the man with one pair of pants.
True it is. I'll spare the list all the details and leave
the rest to your imagination.

Picture my daily 12 mile bike ride home. Storming rain.
Big tires on trucks. I'm soaked. But home in time for
the hunt. Straight to the garage, but the xyl notices
my addiction. So, warming up the ohr-100 I casually
secure the lights and no-one is the wiser RE my preparation
as I relax my xyl notions that only an idiot works the
radio, muddy, wet and in a very cold garage. So I take
a warm shower and switch to sweats.

Copied Dean's exchange only once and have no tail.

Sorry to Joe, AB7TT, I mistook a "?" from Dean and sent
my call over your exchange.

It just wasn't meant to be. My Son took his SF 49er beanie
cap back -- everyone has something to wear except me. My son
got a 52 inch chest size shirt for soccer -- man, when I bench
pressed 300 lbs I only wore a 46! And his pants -- "Going
parachuting son?" And the xyl, all 117 lbs of her has an
extra large sweat shirt hidden from me -- Wearing that today!

As the jeans dry I'll explain the sand on the floor as a
new "safety, anti-slip covering", yeah, that's it.

Hopefully my dry socks will stay that way while the shoes
dry out from the inside.

How does a computer guy explain this? "They're putting in
a new building and stopped to help with the irrigation trench
this morning." Hey, I like to help!

Or do I need help.

Doc was right, this fox addiction has consequences. My ankles are getting cold. Gotta go, where's the coffee?

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,OHR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 07 Jan 1998 17:25:21 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [311] N2TNN fox comment.
Message-ID: <34B42B01.3E8@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Wednesday UTC foxhunt with N2TNN was to me an example of the value of an antenna in foxhunting. At 0200Z I was still at work, so I listened from W6BAB using one of two dipoles oriented at 90 degrees to each other and an OHR-400. I could barely hear the fox ... not well enough to call.

I did hear a nearby "Big Gun QRPer" (Pete, W6ZH) calling, so I drove home (N6MM). At home I worked the fox with weak signals at 0250Z using 1.0 watt from a GM-40 and OHR SCAF combination and a two element beam. I also have an OHR-400 at home and could hear the fox with it. I returned to work and listened again. I could just tell the fox was in there under the QRN and SSB on frequency. I spent the rest of the fox period removing locks from student's lockers in the electronics lab and periodically checked for the fox. Never did get an opportunity to call the fox from W6BAB.

As any experienced DXer will tell you, it is mostly in the antenna. Perhaps it is time to get serious about the three element wire beam I modeled on a computer?

73, Harvey, N6MM.

Date: Wed, 07 Jan 1998 13:01:40 -0500 (EST)
From: n4js@pobox.com
To: Jerrydeen <Jerrydeen@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [312] RE: ARCI QRP Quarterly
Message-ID: <XFMail.980107130140.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 06-Jan-98 Jerrydeen typed:

>I just received my ARCI QRP Quarterly.

>

>WOW!!! What a publication. This has always been a great publication, but the
>layout, cover, eetc. very professionally done. Great job, Ron, Joe and all
>others involved. If you don't get this, you are missing out!!

Amen! This is not a "newsletter." This is a full-sized, glossy magazine! WOW!

My only question. It says check your mailing label for expiration. I can't see
any date, whatever, on the lable. What's the clue? (I just renewed, so should
be OK)

Sent at 13:01:40 on 07-Jan-98

John L. Sielke n4js@amsat.org n4js@pobox.com
| \ | | | | _ | | / _ _ | n4js@qsl.net NJ Grid:FM29LN
| . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
| _ | \ | | _ | \ _ _ / | _ _ / QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Wed, 7 Jan 1998 10:01:39 -0800 (PST)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@Lehigh.EDU
Subject: [313] SSB Sprint
Message-ID: <199801071801.KAA17316@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Time to warm up the microphones.

The SSB Sprint is coming up this weekend.

See you (Hear you) there.

72/73,

Cam N6GA

Date: Wed, 7 Jan 1998 10:06:34 -0800
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Cc: dave_epps@juno.com
Subject: [314] fsk-rtty
Message-ID: <19980107.100828.6510.2.dave_epps@juno.com>

Is anyone using fsk rtty.
I would like to fsk an oscillator but not sure which design would be best
suited for it. Appreciate any info.
dave ab5pc fresno,ca

Date: Wed, 7 Jan 1998 13:20:33 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: camqrp@cyberg8t.com
Cc: qrp-1@Lehigh.EDU
Subject: [315] Re: SSB Sprint
Message-ID: <85256585.0064831A.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Cam and all:

Been waiting for this one. Please listen for N2SMH on 20 meters in the
afternoon and on 75 meters in the evening. I'll be using my NorCal Cascade
in both cases and, most likely, my W3EDP long wire in the backyard antenna
tree. Worked Rwanda with this setup two weekends ago so I know it gets out!

72 David N2SMH
Glen Rock, NJ

Date: Wed, 7 Jan 1998 13:19:06 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [316] Re: Frequency offset question
Message-ID: <47947.owen@piper.eeel.nist.gov>

> You are modulating your SSB rig with a 1Khz tone, kind-a like whistling
> into the mike, that's NOT what we would typically call a CW (continuous
> wave) signal, but go on you're fine...

>
>

If the modulating tone (1 Khz) is a pure sine wave and the SSB transmitter has good sideband rejection and carrier suppression then the output is the same as a CW transmitter. You can't tell the difference as it appears as a carrier._

>> question: Are points A and B tuned to the same frequency ?

>>

>

> The transmitters are on the same frequency.

> Station B has detuned his receiver away from center-frequency 1.5Khz.

>

>

This is true the carriers will be on the same frequency. But not the frequency indicated by the analog or digital dial.

> Sure, dial frequencies are just relative indications anyways, unless you
> are traceable to the NBS. :-)

>

Well you're almost right. However, we (NBS) don't exist anymore so nothing is traceable anymore to us (NBS) however it is traceable to NIST (us with a new name)

>

>> IF we used a frequency counter on the actual carrier

>>

>

> What carrier? You said this is SSB, there (should) be NO carrier
> frequency (it's suppressed).
>
There is a carrier since it (the SSB transmitter) was modulated by a pure
tone of 1 or 2.5 Khz. This carrier will be 1 or 2.5 Khz above or below
(depending on the sideband selected) the suppressed carrier frequency.

>> would they be the same ? If not - why not ?
>>
Yes

72 Jim K4CGY Trustee K3AA NIST BRASS Club Station

Date: Wed, 7 Jan 1998 13:21:24 -0500
From: "Dave Rowe" <elim@ime.net>
To: <n4js@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [317] Re: ARCI QRP Quarterly
Message-ID: <005001bd1b99\$10f0ba80\$38c65ad1@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

WOW ,
wish mine would get here. seems like everyone gets their before we do here
in Maine.
73 dave, kc1di

-----Original Message-----
From: n4js@pobox.com <n4js@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, January 07, 1998 12:57 PM
Subject: RE: ARCI QRP Quarterly

>
>On 06-Jan-98 Jerrydeen typed:
>>I just received my ARCI QRP Quarterly.
>>
>>WOW!!! What a publication. This has always been a great publication, but
the
>>layout, cover, eetc. very professionally done. Great job, Ron, Joe and
all
>>others involved. If you don't get this, you are missing out!!
>

>Amen! This is not a "newsletter." This is a full-sized, glossy magazine!
 WOW!
 >
 >My only question. It says check your mailing label for expiration. I can't
 see
 >any date, whatever, on the lable. What's the clue? (I just renewed, so
 should
 >be OK)
 >
 >
 > Sent at 13:01:40 on 07-Jan-98
 > John L. Sielke n4js@amsat.org n4js@pobox.com
 > | \ | | | | _ | / _ _ | n4js@qsl.net NJ Grid:FM29LN
 > | . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js NJ-QRP #57 QRP-L
 #884
 > | _ | \ _ | | _ | \ _ _ / | _ _ / QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
 > NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
 >
 >
 >

 Date: Wed, 7 Jan 1998 13:28:49 -0500
 From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
 To: QRP Discussion Group <qrp-l@Lehigh.EDU>
 Cc: "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>
 Subject: [318] Still Need T-T #217 Filtre
 Message-ID: <199801071330_MC2-2E6A-BF3F@compuserve.com>
 MIME-Version: 1.0
 Content-Transfer-Encoding: 7bit
 Content-Type: text/plain; charset=us-ascii
 Content-Disposition: inline

Gang:

One last try! Does *anyone* happen to have a TenTec #217 CW filtre. Need
 this for the higher IF in my Omni V. Already the #285 filtre, and expect
 to receive it any day now.

If you have one, please advise soonest :-). Otherwise I will have to order
 one at *retail* (shudder). Thanks everyone, and best wishes for a great
 year in 1998.

72/73,
 --Doc/K0EVZ qrp-l 861

Date: Wed, 07 Jan 1998 13:43:14 -0500
From: "William F. Nicolson Jr" <n2wf@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [319] why 50 ohm coax??
Message-ID: <34B3CCC2.E1A986B1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all!

Someone at work asked me today where did 50 ohm coax come from (you know in the very begining) why not 75 ohm or 100 ohm??

72/73 de Bill N2WF

--

72 de Bill Nicolson -- N2WF
QTH: 38 Tanglewood Lane - Colonia, NJ 07067-3036
Clubs: NJQRP#68; FISTS#2016; NorCal#2098; QRP-L#955; ARS#332
E-Mail: n2wf@erols.com
Stuff: OHR-400; NC40a; 38S; SW-40; NorCal Paddles; LDG QRP Tuner
OHR WM-2; OHR SCAF; Island Keyer

Date: Wed, 7 Jan 1998 18:40:39 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Cc: cw@qth.net
Subject: [320] JH Bunnell Company
Message-ID: <199801071840.SAA03949@chuck.dallas.sgi.com>

A stroke of luck if there ever was one. I just got email from someone that worked at the above company for 10 years. They just happened to run across the photos on the web that I have.

This individual is on vacation until the end of the month so I have some questions when they get back. Are there more questions that we need to get answered? I'll relay

them so that they don't get flooded from 15 different directions?

FYI

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 07 Jan 1998 18:42:10 +0000
From: Ed Loranger <we6w@qsl.net>
To: n2wf@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [321] Re: why 50 ohm coax??
Message-ID: <34B3CC82.2F2D@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm not an expert on this but have the following facts stored in my cerebrum:

50 Ohm line is a compromise between 75 ohm and 35 ohm line.

75 ohm is considered most efficient for long runs due to it's higher voltage rating and typically used for lower current. Therefore: I^2R losses are down.

35 ohm line is considered the High current/low voltage line and is considered most efficient for High current loads.

50 Ohm line combines a modest voltage/Current rating in the middle.

Hope this helps.

-Ed

William F. Nicolson Jr wrote:

>
> Hi all!
> Someone at work asked me today where did 50 ohm coax come from (you know
> in the very begining) why not 75 ohm or 100 ohm??
> 72/73 de Bill N2WF
>
> --
> 72 de Bill Nicolson -- N2WF

> QTH: 38 Tanglewood Lane - Colonia, NJ 07067-3036
> Clubs: NJQRP#68; FISTS#2016; NorCal#2098; QRP-L#955; ARS#332
> E-Mail: n2wf@erols.com
> Stuff: OHR-400; NC40a; 38S; SW-40; NorCal Paddles; LDG QRP Tuner
> OHR WM-2; OHR SCAF; Island Keyer

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,OHR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 7 Jan 98 10:42:04 PST
From: Paul Erickson <paul1@wizard.ucsfu.ca>
To: n7kt@earthlink.net
Cc: qrp-l@Lehigh.EDU (qrp)
Subject: [322] Re: FOX hunter behaviour and Contests
Message-ID: <9801071842.AA24792@wizard.ucsfu.ca>

Sounds like a good idea Roger. Some people may have to get 000 rst's
in order to get the hint.

cheers, Paul
VE7CQK
email: paul1@wizard.ucsfu.ca

>
> Well said. I listened last night for N2TNN...never did hear him, but
> heard many hunters get him.
>
> I also heard many many multiple calls, and started taking a list of
> them. Lots of these calls are strange to me, and don't appear on the
> QRP-L member list. Perhaps they will learn. Might have to make up a
> special "SWL card" I can send them to let them know how to do it.
> --
> 72/73, de Roger, N7KT
>
>

Date: Wed, 7 Jan 1998 11:49:11 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU

Subject: [323] Re: FYBO '98
Message-ID: <199801071849.LAA04319@usr04.primenet.com>

Howdy Folks,

Jay (WA5WHN) wrote:

>

> Hot tub & thawing out party @ AB7TT's QTH, after FYBO '98 ? :)

Well the pool temp is about 45F right now. Not great for thawing out, but perfect for freezing your b_____ off if you don't get enough during the contest. :)

> <http://www.primenet.com/~vole/>

Oops! That's a scratch page I'm using to get stuff set up before I send it over to ScQRPion Bob's website. Still don't have permission from the authors, so please consider this "unpublished". Besides, it's **really** ugly.... Pay no attention to the man behind the curtain.

Actually, perhaps some of you can help me. I'm assuming I need to get permission from the authors of these FYBO '97 tales even though the items were originally sent to QRP-L, correct? They don't lose rights to it merely because it was publicly posted.

Better safe than sorry, in any case?

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Wed, 7 Jan 1998 13:57:47 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@Lehigh.EDU
Subject: [324] Re: why 50 ohm coax??
Message-ID: <85256585.00682550.00@mail.penton.com>
Mime-Version: 1.0
Content-type: multipart/mixed;
Boundary="0__=b2x9Dcr7P175lXPtE2FgHzl0lZe4RljPEQ3NHP44DwcndA72ezecequ8"

--0__=b2x9Dcr7P175lXPtE2FgHzl0lZe4RljPEQ3NHP44DwcndA72ezecequ8
Content-type: text/plain; charset=US-ASCII

----- Forwarded by David Maliniak/EEPN/Penton on 01/07/98
01:54 PM -----

(Embedded image moved to file:
moved to file: PIC30933.PCX)
PIC12908.PCX) Dave Maliniak
(Embedded image moved to file:
PIC05506.PCX)
01/07/98 01:51:58 PM
(Embedded image moved to file:
PIC05364.PCX)

Sent by: David Maliniak

To: n2wf@erols.com
cc:
Subject: Re: why 50 ohm coax?? (Document link not converted)

Bill:

Quickly scurried over to some references I keep here at work. Here's one take on it, and it's from the second edition of the "Practical Antenna Handbook" by Joseph Carr.

"The impedance of 50 ohms is accepted as standard for RF systems, except in the cable TV industry. The reason for this diversity is that power handling ability and low-loss operation don't occur at the same characteristic impedance. For example, the maximum power handling capability for coaxial cables occurs at 30 ohms, while the lowest loss occurs at 77 ohms; 50 ohms is therefore a reasonable trade-off between the two points. In the cable-TV industry, however, the RF power levels are miniscule, but lines are long. The trade-off for TV is to use 75 ohms as the standard system impedance in order to take advantage of the reduced attenuation factor."

So there you go, Bill. Hope that satisfies the question... it was a good one.

72 David N2SMH

```
--0__=b2x9Dcr7P175lXPtE2FgHzl0lZe4RljPEQ3NHP44DwcndA72ezecequ8
Content-type: application/octet-stream;
    name="PIC12908.PCX"
Content-transfer-encoding: x-uuencode
```

" , / , " , (/ , 8 / " \ (P @ \ (# P C " # P @ / " \ \ (P @ \ (# P @ / P @ @ / " \ _ # " \ (# P @ / M " \ _ # " , (/ P P @ / Q @ @ / Q ` @ / P @ @ / R @ @ / " \ \_ & " , , ( " , 4 / " , 8 / " , 8 / " , , / " \ ( P @ \ ( M # P C \$ # P @ / P @ @ / " \ \ ( P @ \ ( # P C " # P @ / P @ @ / " \ \ ( # \ ( ( # \ ( ( # P @ / P @ @ / " \ \ ( # P @ / M Q ` C " # \ @ (# \ ((# P @ / " \ _ # " \ _ " \ _ \$ " \ (# \ , (# \ 4 (# P @ / P P @ / P @ C 5 # P C % # P C # M # P @ / " , (/ " , (/ " , (/ " \ (# P @ / P @ @ / " , (/ " \ (# P C " # P @ / " \ \ (# P @ / " \ \ (# \ , (M # P C " # \ , (# P @ / P @ @ / P P @ / P @ @ / P P @ / P P @ / Q @ @ / R @ C \$ " , ((# \ D / " , @ / " , , / " , 4 / M " , @ / " , @ / " , (/ " , (/ " , , / " , @ / " \ (# P @ / " \ \ (# \ ((# P @ / " \ \ (# P @ / " \ \ (P @ _ M " \ _ # " \ _ " \ _ " \ \ (# \ , (# \ , (# \ , (# \ , (# \ 4 (# \ ((# \ 8 (# \ , (" , \ / " , 8 / " , , / M " , @ / " \ \ (P @ \ (P @ \ (P @ _ " \ _ # " , (/ " \ \ (# P @ / " \ \ (P @ _ # " \ _ " \ _ " \ _ % " \ _ M " \ \ (# P @ / P @ @ / P P C " # \ , (# \ ((# \ @ (# \ , (# \ @ (# \ 8 (# \ @ (P @ C 2 # P C " # P C % # P @ / M " , 4 / " \ \ (# P @ / " , 4 / " \ \ (# P C # # P @ / " \ _ " , @ / " \ \ (P @ _ " \ \ (P @ _ " \ _ & " \ _ M " \ _ \$ " \ _ " \ _ \$ " \ _ # " \ _ " \ \ (# \ 8 (# \ 4 (P @ @ / Q @ \ (P @ \ (P @ \ (Q ` \ (P P \ (P @ \ (M # P C \$ # P @ / " \ \ (Q @ \ (# P @ / " \ \ (# P C # # \ ((# P C " # P @ / " \ _ # " \ _ \$ " , (/ " \ _ " \ \ (M # P @ / " , (/ P P @ / P @ @ / " \ _ " \ _ " \ \ (# \ T (# P @ / Q @ @ (# \ ((V P \ (P P \ (P P \ (# P @ / M " , (/ " , (/ " , , / P P @ / " \ _ # " \ \ (# P @ / " \ \ (P P _ \$ " \ \ (# P @ / P @ @ / P P C " # \ , (# \ , (M # \ D (# P @ / " \ _ \$ " \ _ " \ _ # " , ((P @ \ (R P \ (Q ` \ (P P \ (# P C # # P C # # P C # # P C " # P C # M # P @ / P P C % # P C # # P @ / " \ \ (# P @ / P @ @ / " , , / P P @ / P @ @ / P @ @ / P P C " # \ , (# \ @ (# P @ / M " \ \ (# \ < (# \ @ (# \ 4 (# \ , (" , P / " , @ / " , , / " , 8 / " , (/ " , (/ " \ \ (P @ \ (P @ _ " , 8 / M P P @ / " \ _ " , (/ " \ \ (# \ ((# \ ((# \ @ (P @ _ " \ _ " \ \ (# \ @ (# P @ / P P @ / P @ @ / R ` @ / M " \ _) " \ _ \$ " \ _ " , @ / " , X / " \ \ (# P C " # P @ / " , (/ " , (/ " , (/ " , (/ P @ @ / " \ \ (P @ _ M " \ \ (P @ _ # " \ \ (# P @ / " \ _ " \ \ (P @ _ # " \ _ " \ \ (# P @ / " \ _ % " , (/ Q @ @ / " \ \ (# P @ / M Q @ @ / " \ _ & " , , (P @ C - # P C " # P @ / " \ \ (S P \ (P @ \ (P @ \ (P P \ (# P @ / " , (/ " , (/ P @ C " M # P @ / " \ \ (# P @ / " \ \ (# \ ((# P @ / " \ \ (# \ @ (# P @ / " \ \ (# \ , (P @ _ + " \ \ (# \ 4 (# \ ((M # \ @ (P @ C + # P C * # P @ / " \ \ (# P @ / " , (/ P @ C " # P C " # P @ / " \ _ " , (/ " \ \ (# P @ / P @ C " M # \ ((# P @ / " \ \ (# P @ / " \ _ " \ \ (# \ ((# \ , (# P @ / P P @ / Q ` @ / Q ` @ / " \ _ " \ \ (# \ L (M Q O C # " \ C & # P C 4 # P C \$ # P C # # P C " # P @ / " , (/ " , (/ " \ \ (P @ \ (P P _ # " , (/ P @ @ / " \ \ (M # P @ / P @ @ / P @ @ / P @ @ / " \ \ (# \ , (# \ ((# P @ / Q ` @ / R P @ / P @ @ / " \ \ ( # \ ( ( # \ , ( # P @ / M " , X / " \ \ ( P @ \ ( # P C # # P C # # P @ / " , ( / " , ( / " , ( / " , ( / " , ( / " \ \ ( # \ ( ( # \ ( ( Q ` _ M " , (/ P @ @ / P P @ / " \ \ (# \ ((# \ ((# P @ / P @ @ / P P @ / P P @ / " \ _ # " \ \ (# P @ / " \ _ % " \ _ M " \ @ / P P C " " , P / " , H / " , 8 / " , (/ " \ \ (P @ \ (P @ \ (# P @ / " \ \ (# P C " # P @ / Q ` C " # \ , ( M # \ ( ( P @ \_ " \ \ ( # P @ / P @ @ / Q ` @ / P @ @ / Q ` @ / Q ` @ / R @ @ / " \ _ (" \ _ % " , , (# \ < / " , (/ M " , < / " , < / " \ \ (P @ \ (Q @ \ (P @ \ (P P \ (P P \ (P @ \ (# P C \$ # \ ((P P \ (P @ _ " , (/ " \ \ (M # P @ / " \ \ (P @ _ " \ \ (# P @ / " \ _ # " \ _ " \ \ (# P @ / " \ _ % " \ _ " \ \ (# \ < (P P C " " , L / M " , @ / " , , / " , @ / " , (/ " \ \ (# \ ((P P \ (P P \ (P P _ # " , , / " , (/ " \ _ " , , / " \ \ (P @ \ (M # P @ / Q @ @ / Q @ @ / P @ @ / " , (/ " \ _ (" \ _ (" \ \ (# \ @ (Q ` C " " - 8 / " , 8 / " , @ / " \ \ ( P @ \ ( M P @ \_ " , @ / P @ @ / " \ \ ( # P C " # \ ( ( # P @ / P P @ / " \ \ ( # P C # # \ ( ( # P C " # P @ / " \ \_ " \ \_ \$ M " \ \ ( # P @ / " \ \_ " \ \ ( # \ ( ( # \ < ( # \ @ ( # \ , ( # \ ( ( S P \ ( P @ \ ( Q ` \ (# P @ / " , @ / " , 4 / M " \ \ (P @ \ (# P @ / " , (/ " \ \ (# P C " # P @ / " \ _ " , , / " \ _ # " \ _ # " \ _ " \ _ " \ _ # " \ \ (M # \ L (# \ , (# P @ / " \ _ # " \ _ % " , , (" , H / " , (/ " , 8 / " , D / P @ C " # \ ((# P @ / " , (/ " , , / M " , (/ " \ \ (P @ \ (# \ ((# P @ / " \ _ # " \ _ " , (/ " \ \ (# \ ((# \ ((P @ \ (# P @ / P @ C " # \ @ (M # P @ / " \ \ (# \ T (Q P @ (# \ ((" - \$ / " , @ / " \ \ (# P @ / " , @ / " , (/ " , , / " \ \ (# \ ((# \ ((M # P @ / " \ \ (# P @ / " \ \ (# P C " # \ ((P @ _ " \ _ " \ \ (# \ ((# \ ((# P @ / P @ @ / P P @ / " \ _ ' M " \ \ (# P @ / " \ _ & " \ _ # " \ \ (# \ , (" \ _ \$ # P C " # P C ' # P C % # P C ' # P @ / " , 4 / " \ \ (P P \ (M P @ \ (P P \ (# P C " # P @ / " \ \ (# P @ / " \ \ (# \ ((# \ ((# P @ / P @ @ / P @ @ / Q @ @ / P @ @ / Q @ @ / M " \ \ (# \ D (# P @ / Q ` @ / Q O C # " \ C + # P C ' # P C % # P @ / " , 4 / " \ \ ( Q ` \ (# P @ / " , (/ P @ C " M # P C " # \ ((P @ \ (# \ ((# \ ((# \ ((# P C " # P @ / " \ \ (# P @ / " \ \ (P @ _ " \ _ " \ \ (# P @ / M " \ _ % " \ \ (# \ ((# \ @ (# \ < (Q ` C " " , X / " , ( / " , 4 / " , 8 / " \ \ ( P @ \ ( # P @ / " \ \ ( Q ` \ (M P P _ " \ _ " , (/ " \ \ (P @ _ " \ \ (P @ \ (# \ , (# \ @ (# \ < (# \ ((# \ D (# P @ / Q ` @ / Q P @


```
M .....
M .....
@ .....
\ .....
```

end

```
--0__=b2x9Dcr7P175lXPtE2FgHzl0lZe4RljPEQ3NHP44DwcndA72ezecequ8
Content-type: application/octet-stream;
    name="PIC05364.PCX"
Content-transfer-encoding: x-uuencode
```

[illegible]

--0__=b2x9Dcr7P175lXPtE2FgHzl0lZe4RljPEQ3NHP44DwcndA72ezecequ8--

Date: Wed, 07 Jan 1998 18:55:47 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [325] Battery test device; Antenna idea.
Message-ID: <34B3CFB3.1BB1@qsl.net>
Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use this little test device daily and this morning I realized maybe you all should know about it.

My sister gave me this little device from her AVON catalogue. Tests AAA-D and 9Volt transistor batteries. It has 3 led's which light up individually or in pairs to give 5 separate battery condition indications.

I use it daily, especially before charging batteries. Many times My kids recharge all four AA's from their games when only one bad battery needed charging. Try as I might, I can't keep the harmonics from feeding the charger. I used to have over 48 AA cells and can only locate about 8 now....

Anyway, it is very useful.

Antenna idea: I used aluminum tubing with small homemade compression sleeves between sections that don't taper. This used to be my homebrew vertical but I decided to get more directivity with a dipole. I supported one end of the dipole with the old aluminum antenna.

The actual idea: at the top of the vertical mast I added a horizontal plastic tube, just drill and slide the tube into the aluminum. The support rope at the antenna end goes into the tube and down to my fence. I can lower the antenna easily with this set-up. Another rope steadies the mast as well. Additionally, "The bending tree" concept is at work, i.e. "Bend, dont break": In high winds as the dipole gets stretched and pulled, and the mast gets pushed as well by the wind, you'll find that the top of the mast will slide a bit along the rope, giving a little.

I just go out and wiggle the bottom of the mast after the storm and it goes true vertical by itself. Stresses on the dipole seem to be minimul with my technique.

It has been up for 4 months now and shows now sign of problems.

I hope this is of use...

72 Gang!

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068, ARCI#9397, Norcal#2227, ARS#275, AR#112 grid CM88ok

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 07 Jan 1998 18:45:52 +0000
From: Walt Amos <wamos@ameritech.net>
To: Qrp-1 <qrp-1@Lehigh.EDU>
Subject: [326] Another use CNP.....
Message-ID: <34B3CD5F.35F8@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another use for CLEAR NAIL POLISH is the lettering on some front panels.
Cover with clear polish BEFORE it wears off ie. SCOUT FROM
TT..... :-)

Walt k8cv

Date: Wed, 7 Jan 1998 14:08:18 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-1@Lehigh.EDU
Subject: [327] Apologies
Message-ID: <85256585.0068D30B.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Guys:

Sorry for the attachments to my last post (about 50-ohm coax). I have no idea why that even happened and when the post made its way back to me, I couldn't open them myself (no viewer). I'd originally replied direct to Bill, N2WF and later thought I'd forward it to the list for the edification of others who might be interested in the information. Now I know not to try that again...

Fifty lashes and I'll shut up now.

72 David N2SMH
Glen Rock, NJ

Date: Wed, 7 Jan 1998 14:18:04 -0500
From: "Paul Christensen" <paulc@mediaone.net>
To: <dmaliniak@penton.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [328] Re: why 50 ohm coax??
Message-ID: <03f101bd1ba0\$fb2ba220\$2f2c8118@jaxadmin2-89.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

To go a step further in David's explanation, 50 ohms is a close approximation to the geometric mean between the two impedances he referenced.

-Paul, W9AC

Date: Wed, 7 Jan 1998 19:27:46 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [329] Matching Sections
Message-ID: <199801071927.TAA04154@chuck.dallas.sgi.com>

If one section as impedance $Z(0)$ and another section has impedance $Z(1)$, then if I remember correctly if you have $\sqrt{Z(0)*Z(1)}$ between them with proper length you get maximum transfer and best match.

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 7 Jan 1998 19:28:04 GMT
From: John Fletcher <johnf@innotts.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [330] TiCK-2 Keyer
Message-ID: <199801071928.TAA23534@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all,

In the Technical Topics column in Radio Communication, January 1998, Pat Hawker G3VA describes the TiCK-2 keyer. He gives the circuit diagram and says, "While the QST article (October 1997) provides detailed instructions, including component sources and programming..."

Has the program been published? I can't find it on the web. Any help or information would be much appreciated.

72 and a Happy New Year to you all,
John G4EDX G-QRP Club No. 2038

Date: Wed, 07 Jan 1998 19:49:49 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [331] 60 KHz WWVB Antenna article.
Message-ID: <34B3DC5D.1A88@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This morning while perusing the latest (Jan'98) Nuts & Volts magazine, I located an article about how to get professional certificates based on your knowledge. What drew me to the page was antenna dwgs, of course. The author provided details of a lowfer receiving loop and mentioned his upcoming book on loop antennas. He mentioned this antenna is for WWVB for very accurate time signatures. Also mentioned more details of WWVB are available in his book "Secrets of RF Design". This book is a staple of mine! I looked over to the stack of books there in the garage and it was on top.

Yup! John D. Lenk authored the article this month. Busy guy.

Sure is nice to have the material referenced and I hope the Electronic's book club has the Loop Antenna book as a selection when it comes out.

I'm hurtin' bad for a loop antenna book.

FYI All.

Oh. And the loop for 60 KHz reception looks neat. And also, I'm getting Nuts & Volts magazine free -- available from their web site. Search for it. I don't have time to search for the URL right now.

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 7 Jan 1998 14:57:08 EST
From: WA4DAI <WA4DAI@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [332] n2tnn Foxed Me!
Message-ID: <e8197dd6.34b3de16@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello to all:

Nary a sound here did I hear! but qrm, digital and tooooo many repeats of the same call!! (thought I had found echoes of cqww).. Heard lots of good signals such as: WB0T, W6ZH, W5TFB, AB7TT, K5ZTY, K5VUU, N1TP, ETC. just could not pull N2TNN out guess 40 was just to long for central Virginia.. Hope to catch another fox before tooo long..

72/73

A. C. WA4DAI

Date: Wed, 07 Jan 1998 14:03:56 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: dmaliniak@penton.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [333] Re: why 50 ohm coax??

Message-ID: <34B3DFAC.FFF1107C@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This was a very active thread some time ago on another list, so let me toss in yet another "reason" for 50-ohm coax:

In WWII, someone was clever enough to research the relationship between characteristic impedance and the amount of material(s) required for a cable. The result was that 50-ohm cable won out as requiring less copper (then a highly critical material) than other impedances.

This caused a lot of upset since it was conventional wisdom (then!) that transmission lines should be 75 ohms or thereabouts to match the impedance of a dipole!

I really suspect that 50-ohms came about as a result of all the thoughts that have been offered.

--

73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Wed, 07 Jan 1998 14:08:57 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: edn4pk@VoyagerOnline.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [334] Re: Hamcalc
Message-ID: <34B3E0D9.99CE9965@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How about a source or URL?

Ed Dout wrote:

>
> If you do not have and/or do not use this program, then
> shame on you. It has more information
> and "stuff" than most high priced handbooks....Useful
> "stuff"...Great program...Ed N4PK

--

73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Wed, 7 Jan 1998 15:15:52 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@Lehigh.EDU
Subject: [335] Re: why 50 ohm coax??
Message-ID: <85256585.006F2346.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Maybe a better fundamental question is...

... who decided (and when did "they" decide it?) that RF systems want to see a 50-ohm load? Why 50 ohms?

72 David N2SMH
Glen Rock, NJ

Date: Wed, 07 Jan 1998 15:16:12 -0500
From: Stephen Krosner <skrosner@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [336] FS Morse Code Trainer
Message-ID: <3.0.3.32.19980107151612.006c1394@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a CAT Ultimate Morse code trainer for sale. It fits in your pocket and sends random letters, random groups, or QSO's. Self contained speaker and earphone jack.

Steve Krosner

K2ZPF
Marietta, GA

QRP-L- 941 QCWA

Date: Wed, 7 Jan 1998 15:09:57 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [337] Re: Instant replay ... usefulness?
Message-ID: <7448f170.34b3e116@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I think that might be a pretty nifty thing to have - especially for folks like me that are just starting out with CW. There have been time that I could have used on of those things.... Rateing: 8.5 out of 10

Denny KF6NJQ

Hi,

I was just wondering about how useful it would be to build an instant replay device. I got the idea from some discussion about the Cockpit Voice Recorders and thought it would be really easy to build such a device to keep the last 30 seconds of the radio's audio and will play it back at the press of a button. Might come in handy for those missed or garbled calls. So, how would you rate the usefulness of such a device? Thanks.

73 de 9V1ZV Daniel

Date: Wed, 7 Jan 1998 17:17:02 -0000
From: "Stephen Sorrell" <ap036@detroit.freenet.org>
To: <QRP-L@Lehigh.EDU>
Subject: [338] Fox qrm
Message-ID: <01bd1b90\$32ebd9c0\$b742b3c7@metronet.metronet.lib.mi.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Guys:

I've seen a lot of complaints this am about qrm, rtty noise and lack of

propagation to the foxes qth.

As an avid dxer, I can tell you that the folks that are continuously calling on freq know exactly what they are doing and its to get a reaction much like we have seen today. Those that are unaware of proper practices don't read the reflector, magazines or any other publication that discusses proper procedures for dxing or fox hunting. So complaining here will solve nothing. THEY DON'T READ! Someone noted that they were not QRP-L members and wanted to send SWL cards, not! That will only inspire them becuz the reaction is what they live for.

The solution: Do nothing! No reaction, no fun. Every dxer has learned that recognising the fact that the jammer, lid or whatever name causing a problem encourages them. Act like you don't hear them, it drives them nuts and they will eventually go away.

Fox hunting is fun and sometimes propagation just isn't there, so don't call! This is supposed to be fun! If it is a "have to" situation for you then you are not having fun. I notice that a lot of people complaining didn't get the fox. Those that did work the fox are exstatic. They worked thru the crud and were successful. But, first they had propagation! Then you deal with the qrm, etc.

Bottom line: Lighten up and have some fun and don't ever let a qrmer think he is causing havoc, even if he is. IGNORE THEM!

Don't worry, be happy, 72/73 de W8SFF, Steve

Date: Wed, 7 Jan 1998 15:18:23 EST
From: MSU1972 <MSU1972@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [339] qrp info
Message-ID: <e4a60add.34b3e312@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can anyone help me with a comparison of the SST and 40A. I'm now down to these choices...to use at a park bench or for qrp from the home qth.
Thanks, David

Date: Wed, 07 Jan 1998 14:50:21 -0600
From: "George T. Baker" <w5yr@swbell.net>

To: gregoire@endor.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [340] Zero Beating Schemes
Message-ID: <34B3EA8D.8E7B1700@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A scheme that works well for me with my IC-765 transceiver uses the very narrow audio filter obtainable with my NIR-12 DSP unit. I set the NIR-12 unit for a very narrow passband and then slowly key the sidetone and vary the Center Frequency control until it is centered in the passband. The setting is very critical. At minimum bandwidth (probably 20-30 hertz) there is only one position of the Center Frequency knob that will produce an output. That is is magic setting.

Then I widen out the filter as necessary to suit operating conditions. When a signal is heard in the passband, I am within a few hertz of the same frequency. Note that I do all this BEFORE tuning in any signals. Just center the received signal in the passband and your transmitter will be dead on.

This works well because I have previously double-checked that my sidetone matches the CW offset - in fact they match because I tuned them that way with a counter!

gregoire@endor.com wrote:

>
> Here!Here! to zero beating.
>
> Zero beating and doing a successful QSY should
> be part of a "Practical" examination for licensing.
>
> Both are basic skills. I'll bet a lot of
> hams can't do either well.
>
> There is help for the semi-tone deaf(like me).
>
> DSP filters can narrow the band width to 50 Hz.
> If the signal is still there after narrowing
> the band width to 50 Hz, you are very close.
>
> BTW, I'm getting gud at zero beating after actually
> hearing what a zero beat signal sounds like.
> This is where having an Elmer on hand to show and tell
> just what and how to do things.
>
>

> de AA1IK, Time the accursed enemy of man,
> cursed youth for going to slow
> Ernie Gregoire and by the old for going to fast.
>
> R.R. 1, Box 221,
> South Rd. Fists # 2644, ARCI # 9500
> Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
> Promise Keeper.
>
> E-mail address: gregoire@endor.com
>
> packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA
>
> -----
> 01/06/98 13:35:16

--
73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Wed, 7 Jan 1998 16:47:55 -0000
From: "Bob Duckworth" <wb4mnf@atl.org>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [341] WTS: Sine wave inverters 48VDC to 120VAC 4KVA surplus
Message-ID: <199801072037.PAA26116@atl.org>

While it's overkill for QRP, perhaps
someone doing PV/wind/water powered house
with batteries would be interested in these.

Abacus Controls model 443-4-48M3.
sine wave inverters
in: 48VDC (nominal)
out: 120V at 34amp (max continuous)
automatic change over (relay built in)

High efficiency design,.
NOT boatanchors.

rack mount

12 new at \$2450/each FOB Atlanta

-bob
wb4mnf
404-888-0389

Date: Wed, 7 Jan 1998 06:37:19 -0400 (AST)
From: wp4jxd@prtc.net (wp4jxd)
To: Dave Rowe <elim@ime.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [342] Re: ARCI QRP Quarterly
Message-ID: <Pine.LNX.3.95.980107063527.353A-1000000@pentagon>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You are not alone, I don't have my copy yet. Maybe they don't send them all together. Hope better luck in the next FEW days!

Regards,

Pablo Luis

Pablo Luis Robles "QRP signals aren't hard to copy you
e-mail: wp4jxd@prtc.net should just increase the volume"

HOME PAGE: <http://www.geocities.com/capecanaveral/hangar/3613>

On Wed, 7 Jan 1998, Dave Rowe wrote:

> wow ,
> wish mine would get here. seems like everyone gets their before we do here
> in Maine.
> 73 dave, kc1di
>

Date: Wed, 7 Jan 1998 14:24:20 -0700
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU

Cc: w1vt@arrl.org

Subject: [343] GPS receivers for under \$100.00 {US}

Message-ID: <19980107.142432.2662.0.wa5whn@juno.com>

Magellan now has on the market a 12 channel GPS receiver that retails for \$99.00 {US}. I had a chance to play with one, at a local Store, last night. It runs on 2 AA batteries, alledgely, continous use for 24 hours.

If You have an unobstructed view of the sky, Your' accuracy is within 90 feet, or less. This is a 1.575 GHz receiver. The case is 2 inches wide, 1 inch deep & 6 inches high {high impact plastic}. Multi-path, fading, & signal attenuation, due to obstacles, can degrade accuracy. Don't stand under Douglas Fir trees, in a dense forest and expect less than 300 feet of accuracy. The same holds true for buildings, don't stand in a metal building & expect it to work, in downtown NYC. However, if You do any hiking, biking, or playing with QRP radios in remote areas, this receiver maybe of some value to You. You can also load route information into this little receiver. It is a self contained unit, no external antennas to hook up, or interface cables to mess with. As a side benefit, You will always see the correct time displayed. This little unit will also display compass bearing & speed to Your' destination. The math behind all of this is very interesting, but that discussion already fills volumes of books.

In the Jan. '98 issue of "Nuts & Volts", Gordon West reviews several GPS receivers with embedded maps. That's what I have a laptop for, with Delorme software {<http://www.delorme.com/>} loaded. There are several vendors out there that already sell GPS receivers with embedded maps for over \$300.00 {US}.

The Magellan GPS Pioneer has no external NMEA interface.

A part of our hobby uses GPS receivers, with a NMEA interface {APRS}. Some of the maps, that they generate, are very good. However, it does not (currently) replace a good topo map, with UTM coordinates, from the USGS.

Since I like to operate in VHF/UHF contests, as a portable station. A GPS receiver helps me determine my maidenhead grid square. I still carry a topo {UTM} map of the area that I am going into, plus a magnetic compass. Grid squares make calculations of a beam heading & distance to a remote station, very easy. All of that information is in the ARRL & RSGB Handbooks, computing maidenhead grid squares, plus there are a multitude of software products out there to do the computations. The ARRL Web site & AMSAT Web site will compute maidenhead grid squares for You, if You provide the Latitude & Longitude.

There were only 2 instances, in my life, where a GPS receiver was the #1 tool at hand. The first time was maritime mobile, surrounded by fog & the other was on top of a mountain, in the fog. Do You really need a GPS receiver for \$99.00 ? If You don't spend any time on the sea, hiking or 4WD in remote areas, on top of mountains, or flying {Pilot}, then You don't really need one. A compass & a good meridan map or a good street map will suffice. Like all commodity electronics, the price will continue to drop.

The Magellan GPS Pioneer will display UTM coordinates too. Would I purchase a Magellan GPS Pioneer ? No, because I already own a Garmin 12XL {12 channel GPS receiver}. But, if You want to learn more about GPS, this is a great teaching tool. Any search engine will present You with a volume of data on this subject just by typing in GPS & hitting the return key.

It sure beats telling NA5N, N5ZGT & W5BI "take a left turn at the 2nd Yucca plant, and proceed for 1.2 miles, on this cow trail, then turn right at the basalt rock, cross the cattle guard, and head north for 8 miles". I now just send them the way points & they create a route list in their GPS receivers. :-)

Hey Zack {W1VT} do You want to review this GPS receiver for "QST" ?

I have no financial interests in Garmin or Magellan. If You are interested in the Magellan GPS Pioneer, selling for \$99.00 {US}, contact Magellan in San Dimas, California @ 909-394-5000, or type Magellan into any internet search engine, and You can locate a vendor near You.

72, ...Jay, WA5WHN DM65qd Albuquerque, NM USA

Date: Wed, 07 Jan 1998 16:34:24 EST
From: nilsbull@juno.com
To: QRP-L@Lehigh.EDU
Subject: [344] Latest solar stuff & QQ &c

Message-ID: <19980107.213340.7815.2.nilsbull@juno.com>

Hola tropas!

If you ain't plonked down some cash to get the QRP ARCI's QRP Quarterly, you need adjustment.

There's an article on solar activity & propagation in the most recent issue that, as my memory goes, is more informative than most of what I thought I knew about the sun, even with watching Bill Nye the Science Guy and all.

Paul Harden wrote the article (part 1 of a 2-part deal) in very easy to understand (like for dummies like me) English (and not Tok Pisin) in a very readable style. Lots of pictures & graphs & stuff too.

Made my day, readin' that, lemme tell you. Now I wanna hear all the stuff Paul was talking about. (And I just saw "Contact" again for the second time . . . MiB I wanna see again for the first time . . .)

WHich gets me half-distracted into narrative psych & stuff which I won't bore the rest of you with . . . mainly 'cause the orderlies get paid tomorrow & they get kinda testy sometimes . . .

Great job, all you ARCI dudes & dudesses!

73
Nils
WB8IJN &c

Date: Wed, 07 Jan 1998 21:40:12 +0000
From: Ed Loranger <we6w@qsl.net>
To: wa5whn@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [345] Re: GPS receivers for under \$100.00 {US}
Message-ID: <34B3F63B.3A9E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nice contemporaneous post Jay. I too was reading the inside cover of the 1/98 issue of Nuts & Volts this morning before going in to work. (Also got in a QRP 2-way to MT as well...)

I noticed the version of GPS for under \$100 in the cover looked

neat, but you have to buy all these modules for the roads. I guess it can get expensive! Three modules to cover all of California.

This just FYI, not a flame on any products.

-Ed

--

72/73 de we6w qrp es CW ONLY (K8FF/Norcal Paddles! TLC555 HB keyer)
HW-8, OHR-100, Pixie2, Johnson Viking II, Drake TR-3, NC38S.
QRP-L #1068, ARCI #9397, Norcal #2227, ARS #275, AR #112 grid CM88ok
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 07 Jan 1998 14:50:21 -0600
From: "Phil, K6LS" <k6ls@prolynx.com>
To: daniel@pandora.lugs.org.sg
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [346] Re: Instant replay ... usefulness?
Message-ID: <34B3EA8D.8E24C4F8@prolynx.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is such a device that is available, marketed to the private pilot. It will record about 30sec of audio so that you can play back at will. Don't have any other info in front of me at this time, But I just wanted to let you know that such a thing does exist.

If your real interested in this device, try looking at Sporty's Pilot Shop or any of the popular flying magazines- they might have an ad or two for them.

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>
<http://www.prolynx.com/k6ls>
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

Date: Wed, 7 Jan 1998 22:09:38 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [347] Expiration Dates
Message-ID: <199801072209.WAA04597@chuck.dallas.sgi.com>

Gang,

Just a reminder. It's the first of the year.
Look at the labels on every magazine, club newsletter,
QST, CQ, 73, and anything else you subscribe to or are
a member thereof. Sit down and immediately write out
a check for another year or two so that you don't miss
a single issue.

Check the expiration date of your license. If you are
within 60 days or something like that you can reapply
via the web and avoid postal delays etc.

Check the expiration date of food in the refrigerator.....
:-) Sorry couldn't resist.

Check battery dates in fire alarms, flashlights, etc.

Calibrate all the clocks in the house to WWV/WWVB.....

FYI

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 07 Jan 1998 17:39:53 -0500
From: "Bernard F. Gaffney, Jr." <n8pvz@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [348] FDIM 98???
Message-ID: <3.0.32.19980107173947.00694aa0@pop3.concentric.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is there going to be another FDIM(Four Days In May) this year in Dayton? I

jump in and out of the list quite often, so may have missed the announcement, if there was one.

Tnx.

72/73 de N8PVZ

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@concentric.net <http://www.concentric.net/~n8pvz/>
We are QRP. Resistance is futile. You will be assimilated

Date: Wed, 7 Jan 1998 22:44:52 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [349] QSL Buro
Message-ID: <199801072244.WAA04811@chuck.dallas.sgi.com>

Gang,

Two points on QSL Bureaus.

1. The ARRL has an incoming and outgoing bureau for QSL cards between US amateurs and DX countries. See the ARRL Operating guide or go to the ARRL web page and check up on the service.

It is very important if you get on the air at all and manage to work one or more DX stations to be sure and have an envelope on file at the proper bureau so that you don't miss a single valuable card.

What reminded me of this was that in yesterday's mail I received 15 QSLs for contacts over the last year on 30M. My DXCC count at 0.95W confirmed jumped to over 25 with this envelope. ZL7 was probably my best distance on that band.

2. There is no American QSL buro after the demise of the one last year. Some people have sent me email saying that they would be interested in starting one for QRPers, but from what I have seen it would not last. But again that is my opinion. Most of us QSL direct for domestic contacts. The overhead of running such an operation,

even on a non-profit basis or for-profit basis, is just too much.

I know that the cost per contact for QSLing can be pretty significant and that all of us would like to see a way to reduce the overhead in order to buy all kinds of nice pretty toys and 2N2222s etc. But QSLs will be with for a long time to come and I enjoy them myself. Old habits never die.

FYI and the discussions will start up again I'm sure

Chuck Adams K5FO CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Wed, 7 Jan 1998 15:50:18 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: wa5whn@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [350] Re: GPS receivers for under \$100.00 {US}
Message-ID: <Pine.SOL.3.91.980107154721.25294A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 7 Jan 1998 wa5whn@juno.com wrote:

> It sure beats telling NA5N, N5ZGT & W5BI "take a left turn at the 2nd
> Yucca plant, and proceed for 1.2 miles, on this cow trail, then turn
> right at the basalt rock, cross the cattle guard, and head north for 8
> miles".

Geez, Jay. I can't believe you just gave away our secret FYBO location!

: -) Paul, NA5N

Date: Wed, 7 Jan 1998 15:06:30 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [351] Re: GPS receivers for under \$100.00 {US}
Message-ID: <[01bd1bc0\\$e3e4dee0\\$309f5ecf@double_trouble.reliablemeters.com](mailto:01bd1bc0$e3e4dee0$309f5ecf@double_trouble.reliablemeters.com)>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I made a mistake somewhere in my calculations. I pulled out the NM topo maps, recalibrated for the correct geodesic approximation, identified and placed all the cited waypoints, and pinpointed their secret FYBO location to be centered exactly in the back room of Harry's Tavern. This can't be right, can it?

Mike K1MG

>> It sure beats telling NA5N, N5ZGT & W5BI "take a left turn at the 2nd
>> Yucca plant, and proceed for 1.2 miles, on this cow trail, then turn
>> right at the basalt rock, cross the cattle guard, and head north for 8
>> miles".
>
>Geez, Jay. I can't believe you just gave away our secret FYBO location!
>
> Paul, NA5N

Date: Wed, 7 Jan 1998 15:32:35 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [352] Re: ARCI QRP Quarterly
Message-ID: <Pine.SUN.3.90.980107152745.20154D-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >
> >My only question. It says check your mailing label for expiration. I can't
> >see any date, whatever, on the lable. What's the clue? (I just renewed, so
> >should be OK)

Hi All,

We sent the lables to the printer via disk this time. Looks like we still need to do some tweeking to get the dates back on there! If we can!

We will check it out.

And you can always do like Chuck said.....renew every January! :-)

All the domestic Quarterlies get mailed at the same time.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 07 Jan 1998 18:42:23 EST
From: kc5los@juno.com (Jesse T Royall)
To: wa5whn@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [353] Re: GPS receivers for under \$100.00 {US}
Message-ID: <19980107.174239.8279.1.kc5los@juno.com>

Jay... does that GPS reciever also have the Grid Square available.. You said it had UTM.. what other coordinate systems does it have? I am interested in a hand held one for Amateur Radio and second I survey and putting in the Lat. and Long. for bench marks has become handy (I have used the Trimble before and works great!) but I would like another...

Jess <kc5los@juno.com>

Date: Wed, 7 Jan 1998 18:47:31 -0500
From: "Dean Marzocca" <n2tnn@ifu.net>
To: "Jack Bryant" <Jack.Bryant@math.tamu.edu>
Cc: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [354] Re: Fox report 1-7-98
Message-ID: <199801072349.SAA03991@ifu.ifu.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Jack,

I'm sorry! The closest call I have on the sheet is W5SB at 0232. I crossed it out when I didn't get a reply, then K20J, then K5VUU, then NQ2C. All were crossed out due to no reply but that was when the carrier was dumped on me and I couldn't hear anything. I even wrote QRM in the margin so I would remember.
BTW, they all got me a few minutes later.

I wish you would have called again.

72/73 Dean N2TNN NJ
n2tnn@ifu.net

> From: Jack Bryant <Jack.Bryant@math.tamu.edu>
> To: n2tnn@ifu.net
> Subject: Re: Fox report 1-7-98
> Date: Wednesday, January 07, 1998 10:55 AM
>
> Egad! I was sure I got you. Oh well.
>
> -Jack W5TFB

End of QRP-L Digest 963

